How Can You Find a Double-Decker Bus?

For each exercise, circle the letter of the more reasonable measure. Write this letter in the box containing the number of the exercise.

The chart gives an approximate size for each of the most commonly used metric units of length.

Unit	Approximate Size
1 millimeter (mm)	thickness of a dime
1 centimeter (cm)	width of your smallest finger
1 meter (m)	length of a baseball bat
1 kilometer (km)	length of 10 football fields

(1) length of an ant

R 5 mm **M** 5 cm

(2) length of a new pencil

A 19 mm **O** 19 cm

(3) height of a basketball hoop

U 30 m **H** 3 m

(4) distance walked in 1 hour

K 5 km **B** 50 m

(5) diameter of a quarter

G 24 cm **O** 24 mm

(6) length of a paper clip

E 3 cm **S** 30 cm

(7) length of a tennis court

L 24 m **D** 24 km

(8) distance driven on a freeway in 1 hour

U 85 km **A** 850 m

(9) thickness of a nickel

E 20 mm **O** 2 mm

(10) height of a dining table

K 75 mm **S** 75 cm

(11) length of an automobile

T 5 m **S** 50 m

(12) length of a marathon race

T 400 m **F** 40 km

(13) width of a dollar bill

N 66 cm **P** 66 mm

(14) length of a sheet of typing paper

O 28 cm **R** 28 mm

(15) height of a door

M 20 cm **B** 2 m

(16) distance from New York to Los Angeles

D 450 km **T** 4,500 km

7	2	14	4		12	9	1		11	3	6		15	8	10		16	5	13

Why Are Scales Like Roadmaps?

Do each exercise and find your answer in the set of answers to the right, Write the letter of the answer in the box containing the number of the exercise. If the answer has a ●, shade in the box instead of writing a letter in it.

I. Answer each question.

(1) How many mm are in 1 cm? _____

(2) How many cm are in 1 m? _____

(3) How many m are in 1 km? _____

Answers 1 – 3:

(T) 10 (H) 100

(E) 1,000 (R) 10,000

II. Complete each statement. You are changing each measure to a smaller unit.

(4) 2.75 m = _____ cm

(5) 8.3 m = _____ cm

(6) 41.9 cm = _____ mm

(7) 6.25 cm = _____ mm

(8) 1.875 km = _____ m

(9) 27.5 km = _____ m

(10) 0.4 m = _____ cm

(11) 3.666 m = _____ dm

Answers 4 – 11:

(U) 3,666 (S) 27,500

(R) 6,250 (E) 830

● 419 (K) 2.75

(T) 40 (G) 1,875

(W) 275 (D) 41,900

(L) 18.75 (H) 62.5

● 36.66 (C) 4,000

III. Complete each statement. You are changing each measure to a larger unit.

(12) 12.5 mm = _____ cm

(13) 94 mm = _____ cm

(14) 375 m = _____ km

(15) 88 m = _____ km

(16) 643 cm = _____ m

(17) 2.5 cm = _____ m

(18) 250 mm = _____ dm

(19) 5,000 m = _____ km

Answers 12 – 19:

(H) 0.375 (R) 0.094

(Q) 0.25 (W) 5

(P) 500 (O) 1.25

● 6.43 (E) 0.088

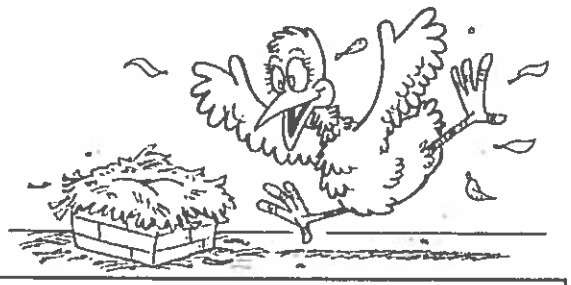
(H) 2.5 ● 37.5

(Y) 9.4 (U) 0.0643

(A) 8.8 (I) 0.025

10	2	5	13	16	9	18	12	4	6	1	7	15	11	19	3	17	8	14

Why Did the Hen Jump Up and Down When She Looked Into the Nest?



Complete each statement, then find your answer in the set of answers to the right.
Write the letter of the exercise in the box containing the number of the answer.

(G) 3.8 m = _____ dm	Answers				
(T) 3.8 m = _____ cm	(2) 380	(24) 3,800			
(M) 3.8 m = _____ mm	(17) 38	(5) 38,000			
(A) 490 cm = _____ dm					
(N) 490 cm = _____ m	(26) 0.49	(29) 0.049			
(T) 490 cm = _____ hm	(21) 4.9	(5) 49			
(1) 27.5 m = _____ cm					
(M) 27.5 m = _____ dam	(26) 2.75	(20) 2,750			
(N) 27.5 m = _____ km	(25) 275	(9) 0.0275			
(H) 9.3 dm = _____ mm					
(I) 9.3 dm = _____ cm	(1) 93	(8) 9,300			
(G) 9.3 dm = _____ m	(22) 0.93	(18) 930			

(S) 0.08 km = _____ hm	Answers				
(O) 0.08 km = _____ m	(25) 80	(13) 8,000			
(G) 0.08 km = _____ cm	(3) 800	(6) 0.8			
(A) 7,400 cm = _____ mm					
(I) 7,400 cm = _____ m	(23) 7.4	(27) 0.074			
(E) 7,400 cm = _____ km	(16) 74	(8) 74,000			
(W) 60 dam = _____ km					
(G) 60 dam = _____ m	(4) 0.6	(28) 60,000			
(N) 60 dam = _____ cm	(12) 600	(7) 6,000			
(E) 1,000 mm = _____ cm					
(S) 1,000 mm = _____ m	(15) 1	(23) 10			
(T) 1,000 mm = _____ km	(11) 100	(19) 0.001			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

MIDDLE SCHOOL MATH WITH PIZZAZZ! BOOK D

What Did the Finger Say to the Thumb?

Choose the correct answer for each exercise. Write the letter of the answer in the box containing the number of the exercise. The table below may help you.

Unit	Approximate Size
1 milliliter (mL)	capacity of an eyedropper
1 liter (L)	capacity of a juice carton
1 kiloliter (kL)	capacity of 4 bathtubs

I. Choose the more reasonable estimate of capacity.

(1) a pot for cooking
K 2 kL **E** 2 L

(2) a tablespoon
C 15 L **I** 15 mL

(3) an automobile gas tank
N 50 L **P** 5 kL

(4) a swimming pool
A 80 L **O** 80 kL

(5) a drinking glass
O 25 mL **M** 250 mL

(6) a water cooler jug
H 20 L **R** 2 L

II. Complete each statement.

(7) 8.5 L = _____ mL

(8) 0.4 L = _____ mL

(9) 90,000 mL = _____ L

(10) 250 mL = _____ L

(11) 1.75 kL = _____ L

(12) 40 kL = _____ L

(13) 750 L = _____ kL

(14) 3,200 L = _____ kL

Answers 7 – 14:

B 25 **Y** 90
U 1,750 **W** 40,000
O 8,500 **F** 32
D 4,000 **I** 0.75
S 900 **R** 175
G 0.25 **I** 400
T 3.2 **U** 7.5

III. Solve.

(15) Ms. Sparkle bought 12 cans of diet soda. Each can contained 350 mL. How many liters of soda did she buy?

(16) Chef Pierre made 6.4 L of creamed carrot soup. If it is served in 200-mL cups, how many cups can be filled?

Answers 15 – 16:

R 48 **V** 4.2
L 32 **N** 5.4

8	5		13	3		10	16	7	15	1		12	2	14	6		9	4	11

What Do Salmon and Cod Use When They Go to War?

Choose the correct answer for each exercise. Find the letter of the answer in the string of letters near the bottom of the page and CROSS IT OUT each time it appears. When you finish, write the remaining letters in the rectangle at the bottom of the page. The table below may help you.

Unit	Approximate Size
1 milligram (mg)	mass (weight) of a grain of sand
1 gram (g)	mass (weight) of a paperclip
1 kilogram (kg)	mass (weight) of a math textbook

I. Choose the more reasonable estimate of weight.

(1) a nickel
(M) 5 g (N) 5 kg

(2) a postage stamp
(A) 60 g (Y) 60 mg

(3) a bowling ball
(B) 7 kg (K) 70 kg

(4) a lemon
(X) 12 g (W) 120 g

(5) a 12-year-old child
(Z) 40 kg (I) 4 kg

(6) a postcard
(Q) 75 g (G) 750 mg

II. Complete each statement.

(7) 6.5 g = _____ mg

(8) 0.8 g = _____ mg

(9) 4,900 mg = _____ g

(10) 133 mg = _____ g

(11) 7.25 kg = _____ g

(12) 60 kg = _____ g

(13) 250 g = _____ kg

(14) 80,000 g = _____ kg

Answers 7 – 14:

(H) 490 (L) 0.133
(J) 800 (C) 60,000
(T) 725 (V) 6,500
(F) 2.5 (K) 13.3
(P) 4.9 (U) 7,250
(S) 0.6 (D) 80
(E) 0.25 (I) 65

III. Solve.

(15) An average orange weighs 270 g. How many kilograms does a bag of 8 oranges weigh?

(16) A vitamin tablet weighs 1.2 g. It contains 150 mg of Vitamin C and 250 mg of B Complex vitamins. How many milligrams of other ingredients are in the tablet?

Answers 15 – 16:

(T) 1.96 (O) 800
(F) 920 (R) 2.16

B R Y L F E G O I P M C S O D H W T R B G A L O N Z U K V E S J

Answer to puzzle:

Why Did the Ice Skater Tell Jokes While Performing?

Do each exercise and find your answer in the set of answers to the right. Write the letter of the answer in each box containing the number of the exercise. If the answer has a ●, shade in each box containing that exercise number.

I. Complete each statement.

(1) 8.3 kg = _____ g

(2) 830 mg = _____ g

(3) 27.5 g = _____ mg

(4) 2,750 g = _____ kg

(5) 4,000,000 mg = _____ kg

(6) 0.66 kL = _____ L

(7) 66,000 mL = _____ L

(8) 3.09 L = _____ mL

(9) 30.9 L = _____ kL

(10) 0.04 kL = _____ mL

Answers 1 – 10:

(C) 309	(V) 400	(U) 660
(O) 2.75	(T) 8,300	(K) 40,000
(A) 3,090	● 6.6	(I) 27,500
(G) 66	(W) 4	(J) 0.0309
(E) 0.83	(M) 275	(F) 83

II. Solve.

(11) A jar of sweet pickles contains 650 g of pickles. There are 12 jars in a case. How many kilograms of pickles are in a case? _____ kg

(12) A large can of frozen orange juice contains 354 ml. To make orange juice, you add 3 full cans of water. How many liters of orange juice does this make? _____ L

(13) A costume designer bought 1.4 kg of colorful sequins. She used 250 g of sequins to make a crown and 400 g to make a cape. How many grams of sequins were left? _____ g

(14) Mrs. Sipp has 4.6 L of lemonade to serve her son's 20 birthday guests. About how many milliliters should she pour into each glass? _____ mL

(15) A gasoline can was filled with 17.5 L of gasoline. A lawnmower fuel tank that holds 1.4 L has been filled 8 times from the gasoline can. How much gasoline is left in the can? _____ L

(16) ABC Corporation is mailing a report to stockholders. The report includes a cover and 100 sheets of paper. If the cover weighs 0.2 kg and each sheet of paper weighs 5 g, how much does the report weigh? _____ g

Answers 11 – 16:

(C) 5.8	(B) 8.4
(P) 840	(R) 1.416
(N) 230	(S) 700
● 620	(F) 280
(H) 7.8	● 750
(D) 6.3	(L) 1.606

●	16	11	2	13	5	8	16	13	9	6	16	1	13	16	10	3	15	15	3	14	7	13	8	12	4	6	14	15	●

A	S	H	T	R	O	P	E	N	T	A	X	U	B	E	D	C	O	H	W	B	O	N	Y	K	R	S	E
14 min 30 s	1; 55	15 min 26 s	3 d 15 h	420	3 min 28 s	6 h 28 min	3	6 h 15 min	4 min 40 s	3,920	72	240	2 d 17 h	3 min 42 s	1; 20	12 h 28 min	9 h 51 min	310	12 h 42 min	14 min 56 s	9	4,320	11 h	10 h 58 min	150	6 h 40 min	2; 15

What Should You Study to Learn How to be a Cowboy?

Cross out the letter next to each correct answer. When you finish, the answer to the title question will remain.

I. Complete each statement.

(1) 4 h = _____ min

(2) 7 min = _____ sec

(3) 2 h 30 min = _____ min

(4) 5 min 10 sec = _____ sec

(5) 180 min = _____ h

(6) 540 sec = _____ min

(7) 80 min = _____ h _____ min

(8) 135 sec = _____ min _____ sec

(9) 3 d = _____ h

(10) 3 d = _____ min

II. Add or subtract. Simplify if possible.

(11) 2 h 30 min + 3 h 45 min

(12) 5 min 40 s + 8 min 50 s

(13) 7 h 8 min + 2 h 43 min

(14) 8 min 10 s − 3 min 30 s

(15) 12 h 25 min − 5 h 45 min

(16) 32 min 50 s − 17 min 24 s

(17) 6 h 47 min + 4 h 13 min

(18) 9 min − 5 min 32 s

(19) 5 d 4 h − 2 d 11 h

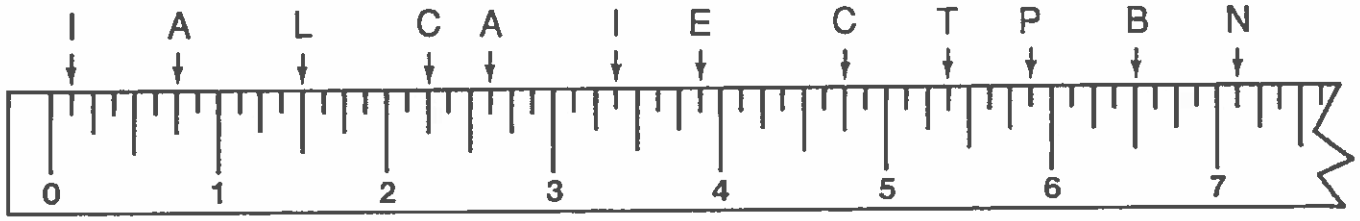
III. Solve.

(20) It takes 15 h 20 min to travel from Los Angeles to Salt Lake City by train. It takes only 2 h 38 min to fly between the two cities. How much longer does the train take?

What Has Four Legs and Flies?

This title question has TWO different answers. Part I gives you one answer and Part II gives you the other. Follow the directions for each part.

I. Identify each measurement that is marked with a letter. Write each letter in the box that contains the corresponding measurement.



$2\frac{5}{8}$ in.	$5\frac{1}{2}$ in.	$5\frac{7}{8}$ in.	$\frac{1}{8}$ in.	$4\frac{3}{4}$ in.	$7\frac{1}{8}$ in.	$3\frac{3}{8}$ in.	$2\frac{1}{4}$ in.	$6\frac{3}{4}$ in.	$5\frac{3}{8}$ in.	$\frac{3}{4}$ in.	$6\frac{1}{2}$ in.	$1\frac{1}{2}$ in.	$3\frac{7}{8}$ in.

II. For each exercise, measure the line segment to the nearest $\frac{1}{8}$ inch. Write the letter of the exercise in the box containing the measurement.

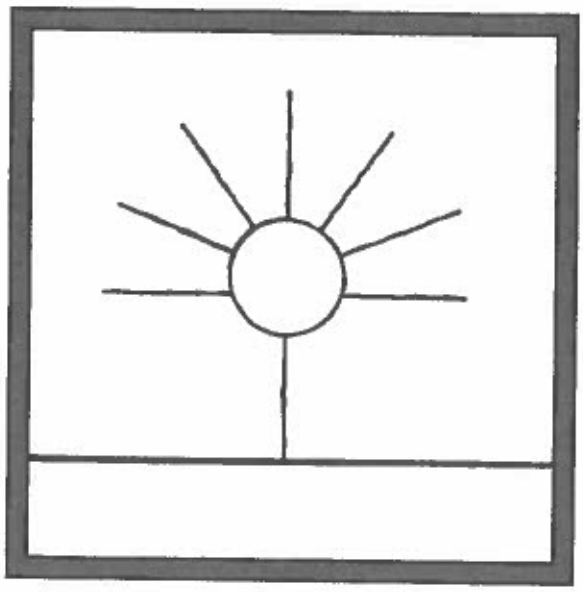
(O) $\overline{AB}$ _____ in. (A) $\overline{AC}$ _____ in. (S) $\overline{AD}$ _____ in. (W) $\overline{AE}$ _____ in. (I) $\overline{AF}$ _____ in.

(A) $\overline{AG}$ _____ in. (S) $\overline{AH}$ _____ in. (T) $\overline{AI}$ _____ in. (O) $\overline{BG}$ _____ in. (F) $\overline{BH}$ _____ in.

(T) $\overline{DG}$ _____ in. (P) $\overline{DH}$ _____ in. (R) $\overline{FG}$ _____ in. (N) $\overline{FI}$ _____ in. (P) $\overline{HI}$ _____ in.

$3\frac{1}{4}$	$4\frac{7}{8}$	$5\frac{1}{2}$	$3\frac{5}{8}$	$\frac{3}{8}$	$2\frac{3}{8}$	$6\frac{1}{8}$	$\frac{5}{8}$	$8\frac{5}{8}$	$5\frac{1}{4}$	$1\frac{1}{4}$	$7\frac{3}{8}$	$\frac{1}{2}$	$5\frac{1}{8}$	$6\frac{3}{4}$	$2\frac{7}{8}$	9	$3\frac{1}{2}$

What Is the Title?



TO FIND THE TITLE OF THIS PICTURE:

Do each exercise below. Find your answer in the code and write the letter of the exercise above it. (Each answer appears only once.)

CODED TITLE:

72	1;20	5;9	11;2	3	15	98	4	3;1	18	12	61
8;16	24	7	5	29	126	36	10;6	60	1;7	8	100

I. Answer each question.

(N) How many inches are in 1 foot? _____

(E) How many feet are in 1 yard? _____

(D) How many inches are in 1 yard? _____

II. Complete each statement. You are changing each measure to a smaller unit.

(A) 2 ft = _____ in.

(T) 5 ft = _____ in.

(I) 1 ft 6 in. = _____ in.

(D) 8 ft 4 in. = _____ in.

(R) 5 yd = _____ ft

(A) 9 yd 2 ft = _____ ft

(G) 20 yd 1 ft = _____ ft

(S) 2 yd = _____ in.

(N) 3 yd 18 in. = _____ in.

III. Complete each statement. You are changing each measure to a larger unit.

(D) 48 in. = _____ ft

(A) 19 in. = _____ ft _____ in.

(I) 69 in. = _____ ft _____ in.

(N) 24 ft = _____ yd

(O) 10 ft = _____ yd _____ ft

(D) 35 ft = _____ yd _____ ft

(H) 180 in. = _____ yd

(P) 56 in. = _____ yd _____ in.

(S) 366 in. = _____ yd _____ in.

What Did Airhead Klutz Look For When He First Took Up Waterskiing?

Find each answer in the set of boxes under the exercise. Write the letter of the exercise in the space above the answer.

I. Complete each statement.

(I) 7 ft = _____ in.

(C) 4 ft 10 in. = _____ in.

(A) 10 ft 3 in. = _____ in.

(T) 8 yd = _____ ft

(E) 5 yd 2 ft = _____ ft

(I) 4 yd = _____ in.

(W) 60 in. = _____ ft

(A) 40 in. = _____ ft _____ in.

(E) 72 in. = _____ yd

(H) $2\frac{1}{2}$ ft = _____ in.

(L) $7\frac{2}{3}$ yd = _____ ft

(N) 100 ft = ___ yd ___ ft

(K) A baseball diamond is a square with 90 feet between bases. About how many *yards* does a player run after hitting a home run? _____ yd

3;4	28	33;1	144	58	2	140	23	123	120	17	9;1	5	84	24	30

II. Add or subtract. Simplify if possible.

(G) 3 ft 7 in. + 2 ft 8 in.

(I) 5 ft 9 in. + 8 ft 10 in.

(L) 13 ft 2 in. + 6 ft 8 in.

(N) 3 yd 2 ft + 4 yd 2 ft

(A) 9 ft 11 in. − 4 ft 6 in.

(I) 7 ft 4 in. − 2 ft 7 in.

(T) 10 ft 8 in. − 3 ft 11 in.

(I) 14 yd 1 ft − 8 yd 2 ft

(L) 12 ft 6 in. + 7 ft 6 in.

(B) 20 ft − 5 ft 8 in.

(I) 9 yd 2 ft + 6 yd 1 ft

(H) 36 yd − 28 yd 1 ft

5 ft 5 in. | 5 ft 11 in. | 14 ft 4 in. | 5 yd 2 ft | 6 ft 3 in. | 14 ft 3 in. | 7 yd 2 ft | 4 ft 9 in. | 19 ft 10 in. | 20 ft | 7 yd 1 ft | 16 yd | 8 yd 1 ft | 19 ft 6 in. | 14 ft 7 in. | 6 ft 9 in.

Why Did the Young Actress Stuff Her Autograph Into Bottles of that Low-Calorie Cola?

Find each answer in the appropriate set of boxes at the bottom of the page. Write the letter of the exercise in the box containing the answer.

I. Complete each statement. You are changing each measure to a smaller unit.

(E) 5 gal = _____ qt

(T) 9 gal = _____ qt

(O) 2 qt = _____ pt

(A) 15 qt = _____ pt

(E) 1 pt = _____ c

(D) 7 pt = _____ c

(S) 3 c = _____ fl oz

(T) 10 c = _____ fl oz

(E) 1 gal 2 qt = _____ qt

(S) 6 gal 3 qt = _____ qt

(W) 4 pt 1 c = _____ c

(H) 1 gal = _____ pt

(E) 1 pt = _____ fl oz

(N) 1 qt = _____ fl oz

II. Complete each statement. You are changing each measure to a larger unit.

(N) 12 qt = _____ gal

(E) 40 qt = _____ gal

(S) 8 pt = _____ qt

(A) 24 pt = _____ qt

(I) 10 c = _____ pt

(R) 18 c = _____ pt

(E) 16 fl oz = _____ c

(M) 64 fl oz = _____ c

(I) 7 qt = _____ gal _____ qt

(H) 30 qt = _____ gal _____ qt

(E) 9 pt = _____ qt _____ pt

(L) 25 c = _____ pt _____ c

(N) 12 fl oz = _____ c _____ fl oz

(T) 50 fl oz = _____ c _____ fl oz

Answers for Column I

24	8	20	15	9	30	32	36	6	14	12	80	4	48	27	16	2

Answers for Column II

7;2	10	9	14	1;4	12	8	4;1	7	1;3	3	8;1	12;1	5	6;2	2	4

Did You Hear About...

A	B	C	D	E	F	G	H	I	J	K	L
M	N	O	P	Q	R	S	T	U	V	W	X ?

Do each exercise and find your answer in the appropriate answer column. Notice the word next to the answer. Write this word in the box containing the letter of the exercise.

I. Complete each statement.

(A) 3 gal = _____ qt

(B) 8 pt = _____ c

(C) 5 qt = _____ pt

(D) 6 c = _____ fl oz

(E) $\frac{1}{2}$ gal = _____ qt

(F) $2\frac{1}{2}$ pt = _____ c

(G) 1 qt = _____ c

(H) 1 qt = _____ fl oz

(I) 4 gal 3 qt = _____ qt

(J) 7 qt = _____ pt

(K) 7 qt = _____ c

(L) 7 qt = _____ fl oz

(M) 20 qt = _____ gal

(N) 12 pt = _____ qt

(O) 16 fl oz = _____ c

(P) 36 c = _____ pt

(Q) 8 pt = _____ gal

(R) 9 qt = _____ gal _____ qt

(S) 48 fl oz = _____ pt

(T) 60 c = _____ qt

(U) 100 fl oz = __ c __ fl oz

II. Solve.

(V) Mr. Fizz bought 6 cans of root beer. Each can contained 12 fl oz. How many cups of root beer did he buy? _____ c

(W) A certain paint is sold in both 1-gal cans and 1-qt cans. The gallon can costs $13 and the quart can costs $5. How much do you save per gallon by buying the larger cans? $_____

(X) Mrs. Ramirez bought 2 qt of orange juice. If the juice is served in 6-oz glasses, how many glasses can be completely filled? _____

Answers A – L:

48	SAID
19	THE
75	TO
10	WHO
5	HE
224	BECAUSE
12	THE
14	RIGHT
2	THAT
32	GOING
16	DRIVER
28	WAY
180	ON
4	WAS

Answers M – X:

9	ONLY
2;1	THEN
6	LEFT
12;4	THE
13	GOING
1	RIGHT
15	IS
7	WAY
5	IF
2	IS
10	LEFT
9;6	A
3	RIGHT
18	NOT

What Did They Call the Guy Who Made 367 Mistakes While Typing One Page?

Cross out the box containing each correct answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

I. Complete each statement.

(1) 5 lb = _____ oz

(2) 2 lb 12 oz = _____ oz

(3) 3 lb 8 oz = _____ oz

(4) 10 lb 3 oz = _____ oz

(5) $\frac{1}{2}$ lb = _____ oz

(6) 3 T = _____ lb

(7) 1 T 700 lb = _____ lb

(8) $4\frac{1}{2}$ T = _____ lb

(9) 48 oz = _____ lb

(10) 42 oz = _____ lb _____ oz

(11) 100 oz = _____ lb _____ oz

(12) 10,000 lb = _____ T

(13) 5,600 lb = _____ T _____ lb

(14) 1 T = _____ oz

II. Solve.

(15) How many ounces of meat are used to make a $\frac{1}{4}$-lb hamburger? _____ oz

(16) One dozen baseballs were packaged for mailing. Each ball weighed 5 oz and the box weighed 9 oz. Find the total weight of the package in pounds and ounces. _____ lb _____ oz

(17) There are 30 students in a math class with an average weight of 92 lb per student.

A. What is the combined weight of all the students in the class? _____ lb

B. How much more than a ton is this? _____ lb

TH 4;5	AT 7	OP 2;10	EB 44	AD 6,000	TR 760	YP 2,400	OT 2;1,600
LO 163	GR 4	EW 7;2	IT 9,000	ON 6;4	TO 80	ST 2,760	RO 400
SO 3	NG 3;800	BE 32,000	PA 56	GE 8	ER 28,000	EN 5	UP 2,700

Why Couldn't the Astronaut Make Cinnamon Toast?

Do each exercise and find your answer in the set of answers to the right. Write the letter of the answer in each box containing the number of the exercise. If the answer has a ●, shade in each box containing that exercise number.

I. Complete each statement.

(1) 6 gal 1 qt = _____ qt

(2) $5\frac{1}{2}$ pt = _____ c

(3) 2 lb 6 oz = _____ oz

(4) $2\frac{1}{4}$ T = _____ lb

(5) 10 c = _____ fl oz

(6) 3 qt = _____ fl oz

(7) 88 oz = _____ lb _____ oz

(8) 100,000 lb = _____ T

(9) 15 qt = _____ gal _____ qt

(10) 32 fl oz = _____ pt

(M) 38 (U) 2 (H) 50
(V) 4,800 (T) 80 (S) 11
(L) 3;3 (R) 5;8 ● 144
(Y) 25 (K) 30 (A) 96
(N) 4 (I) 4,500 (J) 4;2

II. Solve.

(11) There are 2 tablespoons in a fluid ounce. How many tablespoons are in a cup?
_____ tbs

(12) Linda Kuerth set a record by eating 23 frankfurters in 3 min 10 s. If each frankfurter weighed 2 oz, find the total amount she ate in pounds and ounces.
_____ lb _____ oz

(13) For the big family picnic, Mr. Lincoln rented a huge jug and filled it with 20 gal of lemonade. If each person drank 1 pt, how many people could be served?
_____

(14) According to one study, the average American teenager eats 1,817 lb of food a year. How much less than a ton is this?
_____ lb

(15) Apple juice is sold in a 1-gal jug for $3.30. It is also sold in individual 8-oz cartons for 40¢ a carton. How much more per gallon do you pay by buying the individual cartons? $_____

(16) In a recent year gold was worth $500 an ounce. If you weighed 100 lb and were "worth your weight in gold," how much would you be worth? $_____

Answers 11 – 16:

(N) 3;4 (B) 600,000
(E) 3.10 (C) 183
(W) 16 (O) 2;14
● 153 (G) 12
(D) 150 (P) 800,000
(F) 2.80 ● 160

8	15	13	11	6	2	13	14	12	3	16	9	15	5	15	9	1	13	12	10	5	15	7	13	2	16	4	14	15

What Job Does the Buttermilk Biscuit Have in the Movie?

Do each exercise and find your answer in the appropriate answer box. Write the letter of the answer in the box containing the number of the exercise.

(1) 3 h 45 min + 1 h 30 min

(2) 9 min 20 s + 4 min 10 s

(3) 7 h 10 min − 2 h 50 min

(4) 8 min − 5 min 25 s

(5) 6 ft 4 in. + 9 ft 7 in.

(6) 4 ft 9 in. + 3 ft 8 in.

(7) 12 yd 2 ft + 5 yd 2 ft

(8) 50 yd − 8 yd 1 ft

(9) 1 c 2 fl oz + 2 c 5 fl oz

(10) 7 gal 3 qt + 6 gal 3 qt

(11) 3 qt 1 pt + 5 qt 1 pt

(12) 20 gal − 4 gal 1 qt

(13) 8 lb 9 oz + 30 lb 9 oz

(14) 9 lb − 2 lb 10 oz

(15) 4 T 1,500 lb + 7 T 800 lb

(16) 6 lb 8 oz − 5 lb 12 oz

(17) To power an experimental car, Willy Messerschmitt mixed 12 gal 3 qt of gasoline with 4 gal 2 qt of ethyl alcohol. How much fuel did this make?

(18) The average 12-year-old in the U.S. weighs 85 lb 12 oz. The average 14-year-old weighs 108 lb 2 oz. How much weight does the average person gain during these two years?

Answers 1 – 9:

(C) 3 min 5 s	(A) 15 ft 11 in.
(L) 8 ft 5 in.	(I) 13 min 30 s
(E) 3 c 7 fl oz	(N) 41 yd 2 ft
(T) 5 h 15 min	(B) 7 ft 6 in.
(F) 40 yd 1 ft	(O) 2 min 35 s
(E) 4 h 20 min	(S) 18 yd 1 ft
	(P) 4 c 5 fl oz

Answers 10 – 18:

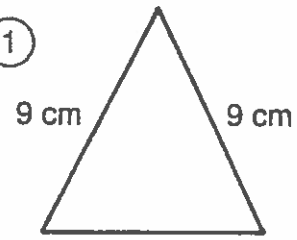
(E) 15 gal 3 qt	(R) 17 gal 1 qt
(P) 21 lb 10 oz	(I) 39 lb 2 oz
(H) 12 T 300 lb	(R) 13 T 700 lb
(L) 22 lb 6 oz	(H) 14 gal 2 qt
(G) 9 qt	(D) 12 oz
(S) 7 lb 2 oz	(K) 16 gal 2 qt
	(L) 6 lb 6 oz

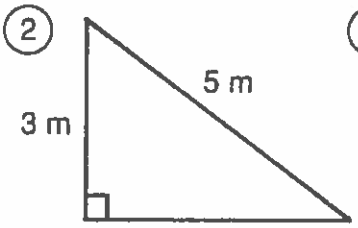
10	3	13	7	1	15	9	18	12	5	16	2	8	11	17	4	14	6

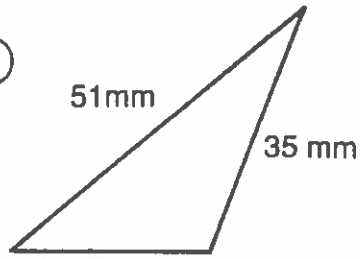
What Did the Boy Candy Say to the Girl Candy?

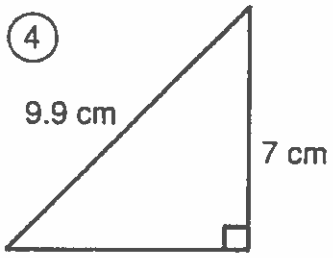
Do each exercise and find your answer in the set of answers to the right. Write the letter of the answer in each box containing the number of the exercise. If the answer has a ●, shade in each box containing that exercise number.

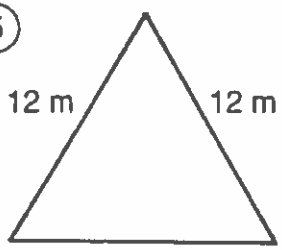
I. Classify each triangle two ways.

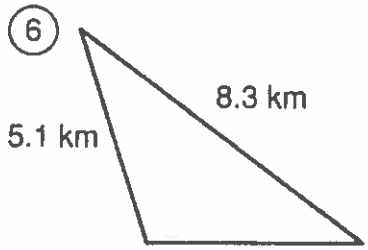
(1) 

(2) 

(3) 

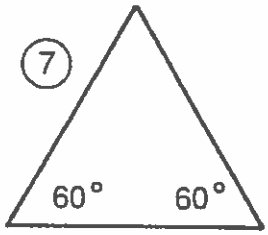
(4) 

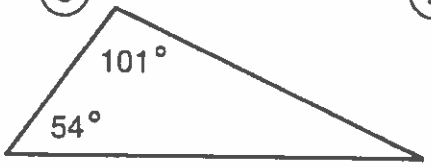
(5) 

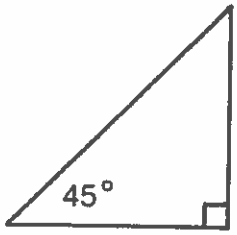
(6) 

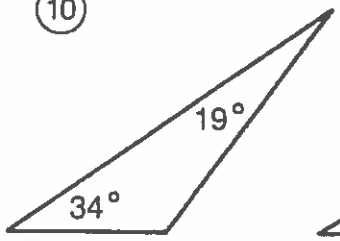
(S) acute; scalene
(I) acute; isosceles
(H) acute; equilateral
(O) right; scalene
(M) right; isosceles
(A) obtuse; scalene
(F) obtuse; isosceles

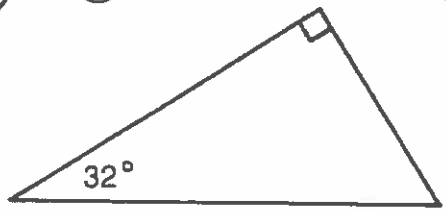
II. Find the measure of the third angle in each triangle.

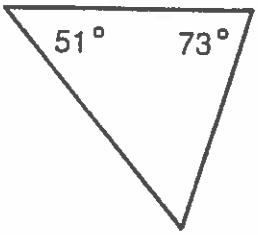
(7) 

(8) 

(9) 

(10) 

(11) 

(12) 

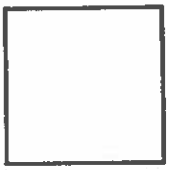
(R) 25°
● 116°
(E) 56°
(T) 127°
(W) 60°
(N) 30°
● 58°
(C) 45°
(L) 40°

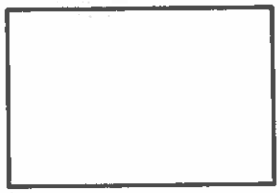
(13) Two angles of a triangle have equal measures. If the third angle measures 120°, what is the measure of each of the equal angles?

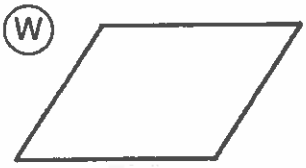
7	12	11	3	8	12	11	4	1	13	10	11	6	2	8	11	12	3	9	5	11	2	10	5	12	8

Can a Polar Bear Go On a Safari?

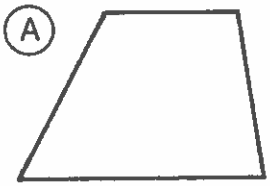
Write the name that best describes each quadrilateral. (Put each quadrilateral in the smallest or most exact class to which it belongs.) Write the letter of the exercise in the box containing the number of the answer.

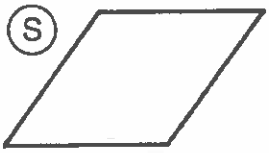
(I) 

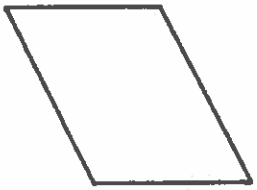
(O) 

(W) 

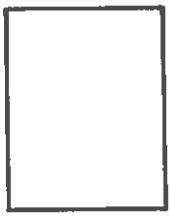
(2) rectangle
(15) trapezoid
(10) square
(18) parallelogram

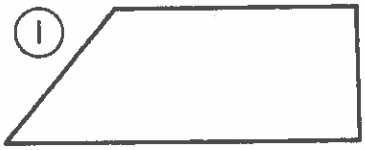
(A) 

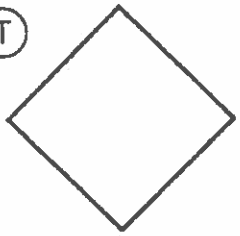
(S) 

(O) 

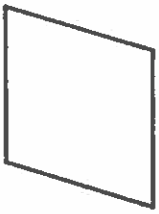
(9) rectangle
(6) trapezoid
(17) parallelogram
(11) rhombus

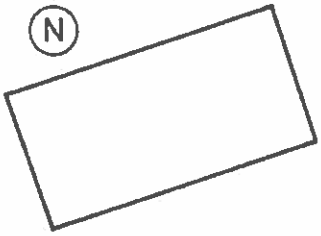
(F) 

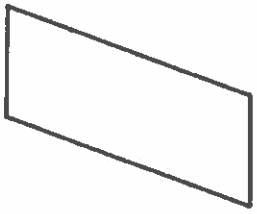
(I) 

(T) 

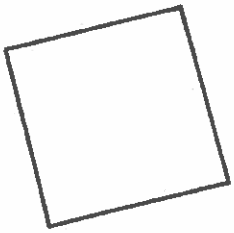
(3) square
(13) trapezoid
(4) parallelogram
(7) rectangle

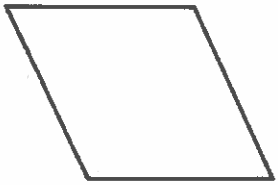
(R) 

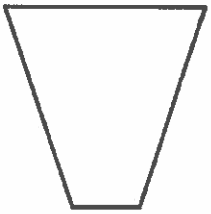
(N) 

(K) 

(15) parallelogram
(1) rectangle
(9) rhombus
(12) trapezoid

(S) 

(A) 

(N) 

(16) trapezoid
(5) square
(14) rectangle
(8) rhombus

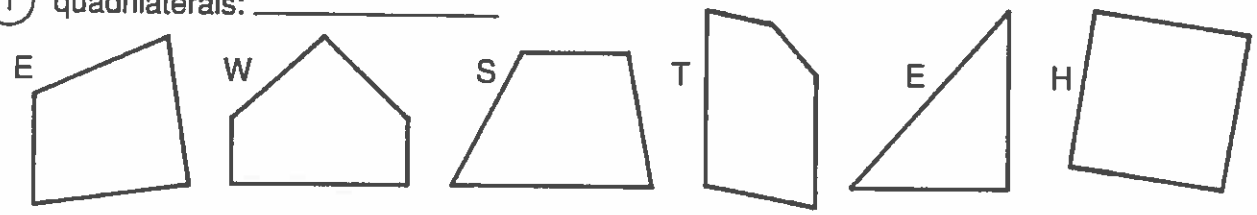
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Why Was Cinderella Kicked Off the Baseball Team?

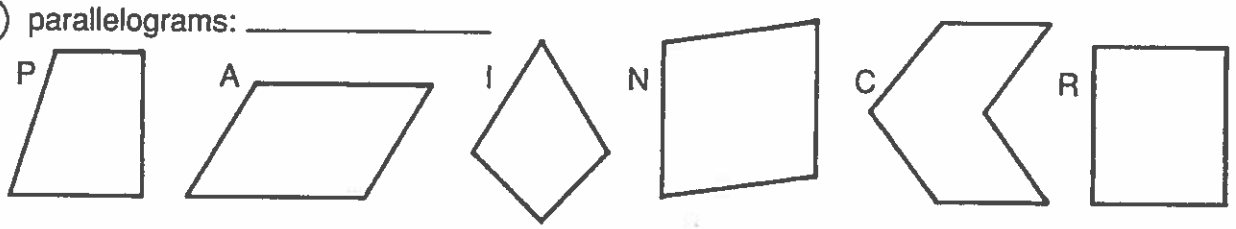
For each exercise, circle the letter of each figure that belongs in the category named. Arrange these letters to form a word. Then write this word on the line next to the name of the category.

(You may assume the following: sides that appear parallel are parallel; sides that appear perpendicular are perpendicular; sides that appear congruent are congruent.)

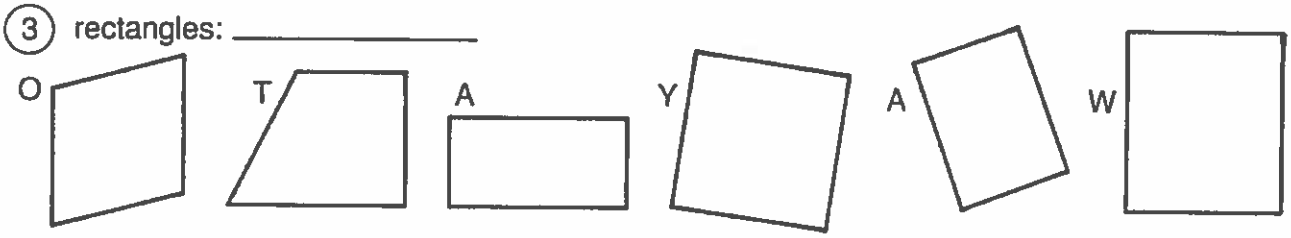
(1) quadrilaterals: _____



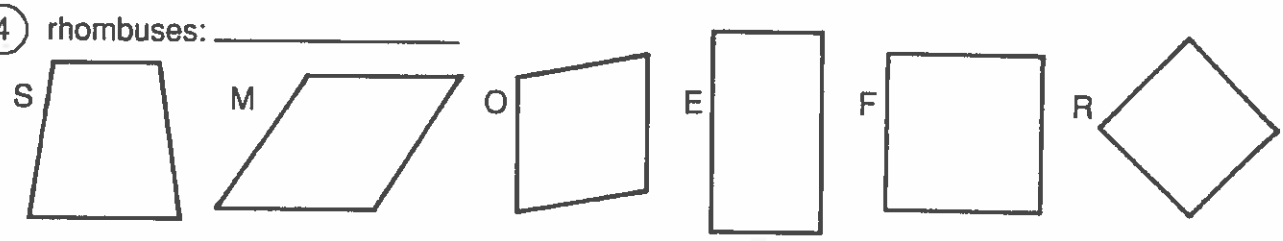
(2) parallelograms: _____



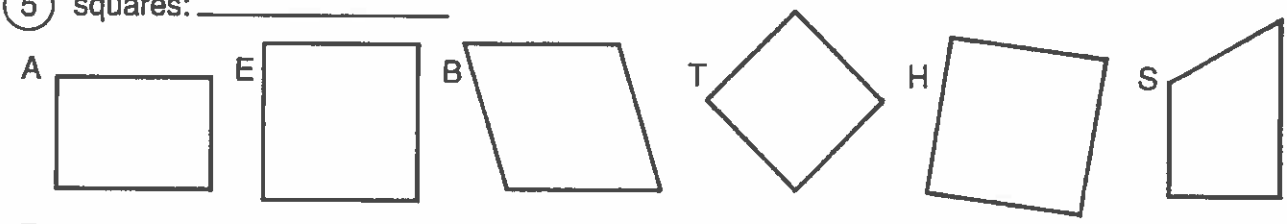
(3) rectangles: _____



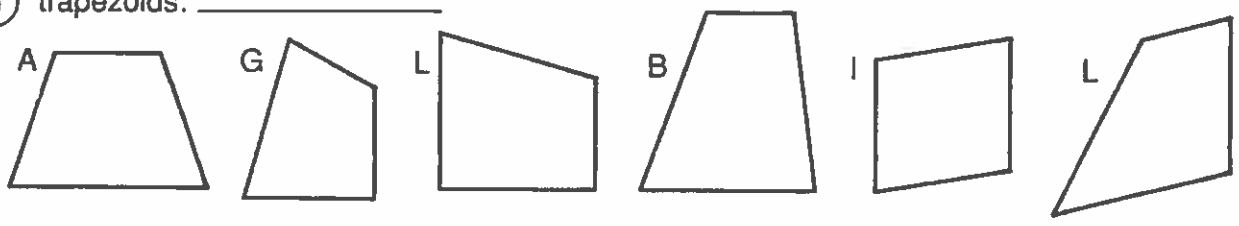
(4) rhombuses: _____



(5) squares: _____



(6) trapezoids: _____



Why Didn't the Snobbish Potatoes Want Their Daughter to Marry a News Broadcaster?

Under each figure, circle the number-letter combination next to each word that correctly names the figure. Write the letter in the matching numbered box at the bottom of the page.

1. 

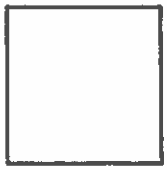
5-A parallelogram
16-O rectangle
19-F square

2. 

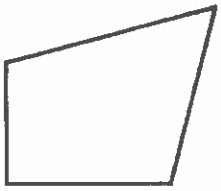
25-E parallelogram
13-I rectangle
4-D rhombus

3. 

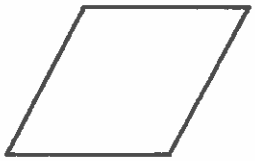
9-U quadrilateral
21-F parallelogram
1-H trapezoid

4. 

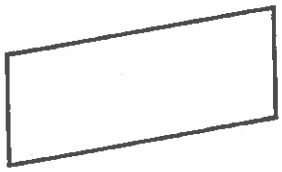
20-N parallelogram
11-T rectangle
23-A square

5. 

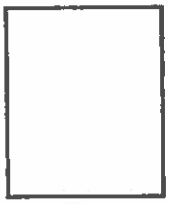
2-E quadrilateral
24-V parallelogram
8-P rhombus

6. 

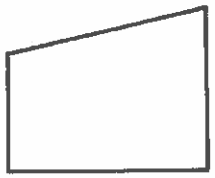
19-O parallelogram
15-L rectangle
6-S rhombus

7. 

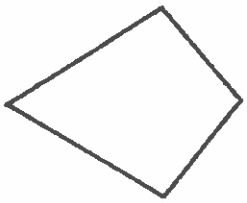
13-A quadrilateral
26-R parallelogram
7-N trapezoid

8. 

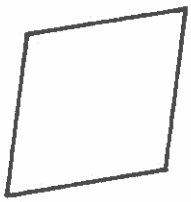
17-M rectangle
10-P square
14-S trapezoid

9. 

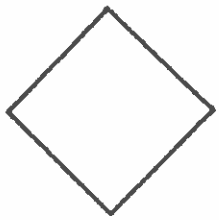
21-E parallelogram
18-I rhombus
8-J trapezoid

10. 

4-W quadrilateral
12-O parallelogram
24-N trapezoid

11. 

22-T quadrilateral
15-C rhombus
3-B square

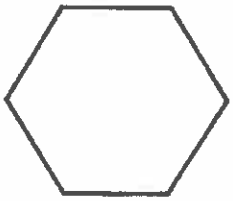
12. 

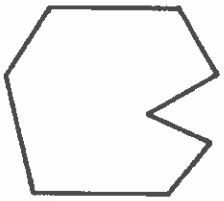
10-S rectangle
18-M rhombus
24-T square

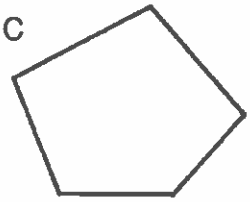
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

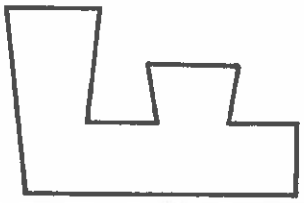
Why Do Ants Visit the Zoo on Cold Days?

Write the word missing from each statement in the boxes next to the statement. Notice which letters are in numbered boxes. Write each of these letters in the matching numbered box at the bottom of the page.

A 

B 

C 

D 

(1) A triangle is a _____ with three sides and three angles.

(2) A polygon with four sides and four angles is a _____.

(3) A polygon with five sides and five angles is a _____.

(4) A polygon with six sides and six angles is a _____.

(5) An octagon is a polygon with eight sides and eight _____.

(6) A polygon with ten sides and ten angles is a _____.

(7) In the set of figures above, Figure A is a _____.

(8) Figure B is an _____.

(9) Figure C is a _____.

(10) Figure D is a _____.

(11) The point of intersection of two sides of a polygon is called a _____.

(12) A line segment (not a side) connecting two vertices of a polygon is called a _____.

(13) A polygon with all sides the same length and all angles the same measure is called a _____ polygon.

						6																		
				21				10																
								15																
11						2																		
						18						4												
							12																	
16				8																				
				1																				
						20		5																
								13																
							7			19														
								3				14												
							17																	

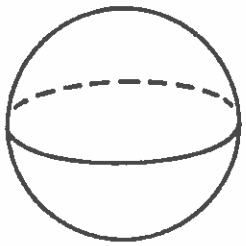
1	2		3	4	5		6	7	8	9		10	11	12		13	14	15		16	17	18	19	20	21

What Did the Taxi Driver Say About His Daughter?

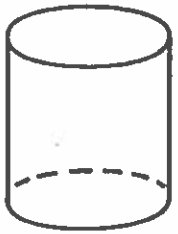
Write the name that best describes each space figure. Then find your answer in the answer column. Write the letter of the answer in the box containing the number of the exercise.

6	4	9		2	11	5	7		10	1	12	8	3

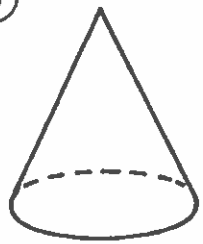
(1)



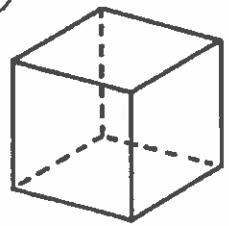
(2)



(3)



(4)



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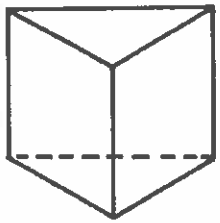

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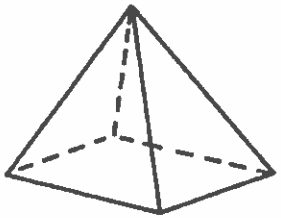

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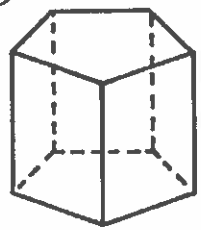
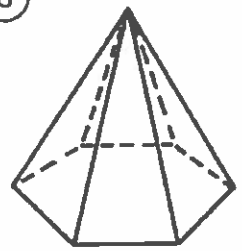


(8)



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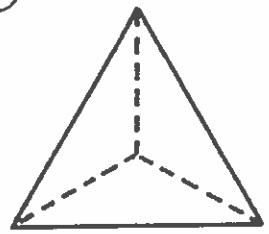
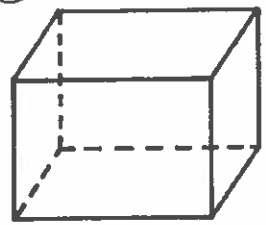
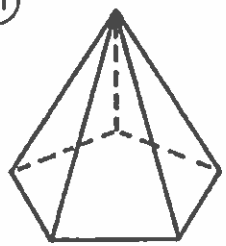


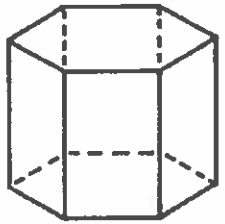
(10)



(11)



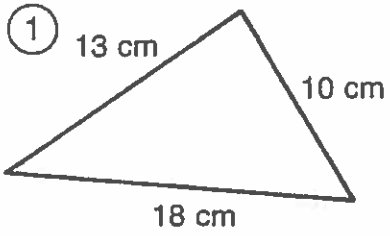
(12)

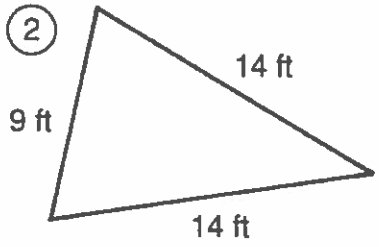


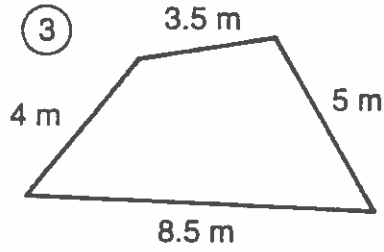
(U) triangular pyramid
(T) hexagonal prism
(R) cone
(T) triangular prism
(E) sphere
(M) rectangular prism
(O) pentagonal prism
(O) cube
(U) pentagonal pyramid
(A) cylinder
(E) hexagonal pyramid
(Y) rectangular pyramid

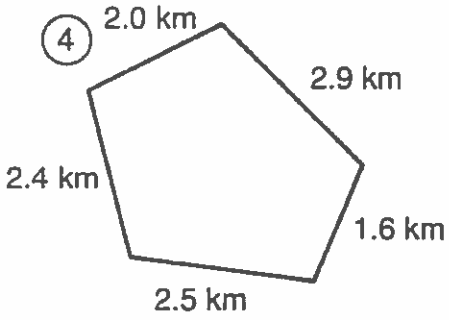
Why Did the River Guide Carry a Rifle?

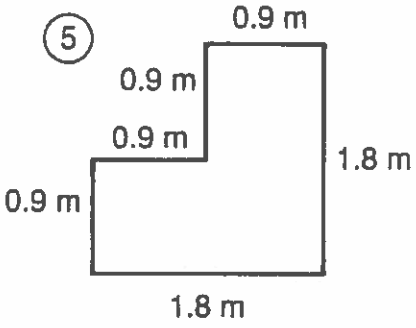
Find the PERIMETER of each figure. Cross out the box containing each correct answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

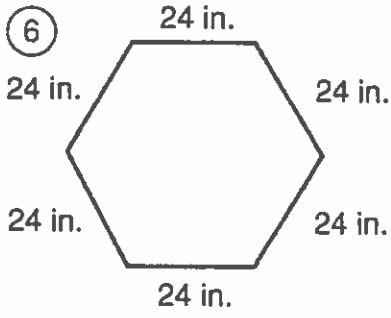
(1) 

(2) 

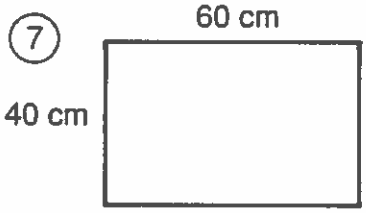
(3) 

(4) 

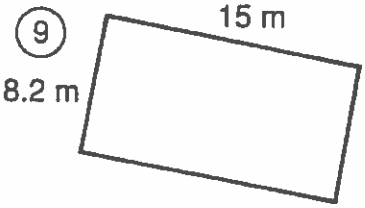
(5) 

(6) 

Find the perimeter of each rectangle.

(7) 

(8) 

(9) 

(10) $\ell = 48$ mm
w = 32 mm

(11) $\ell = 6.2$ km
w = 4.7 km

(12) $\ell = 12$ in.
w = 12 in.

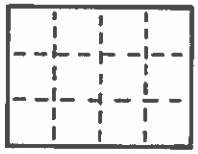
(13) Find the perimeter of a sheet of typing paper $8\frac{1}{2}$ in. wide and 11 in. long.

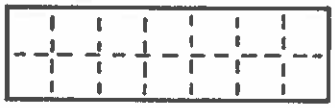
(14) How many feet of border are needed to go around a square bulletin board that is 4.5 ft on each side?

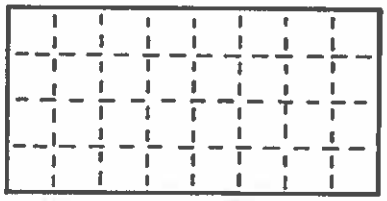
HE 48 in.	TO 43.4 m	ST 144 in.	SH 18.6 km	OT 18 ft	OP 21 m	FL 46.4 m	OO 156 in.	LS 37 ft	OA 160 mm	TT 32 ft
HE 180 cm	AT 35 ft	RA 184 mm	IN 21.8 km	TO 7.2 m	SO 41 cm	PI 42 in.	PE 200 cm	NG 39 in.	DS 156 in.	ET 11.4 km

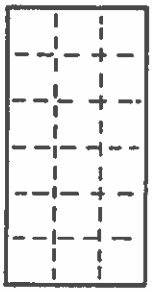
What Does a Tuba Call Its Father?

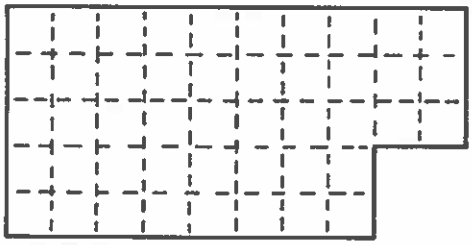
Give the number of square units in each figure. Find your answer and cross out the letters above it. When you finish, the answer to the title question will remain.

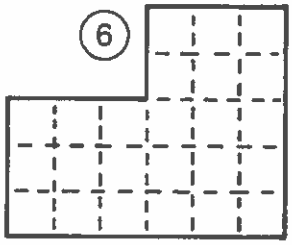
1 

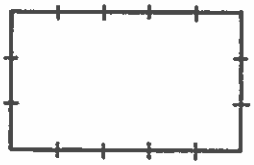
2 

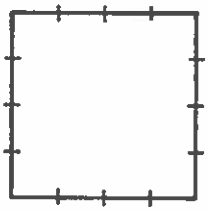
3 

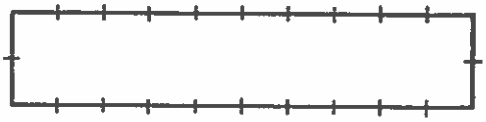
4 

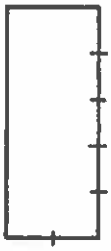
5 

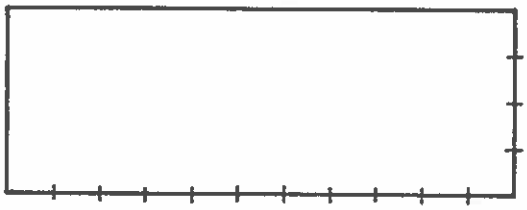
6 

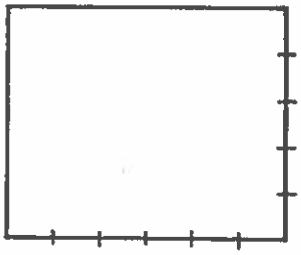
7 

8 

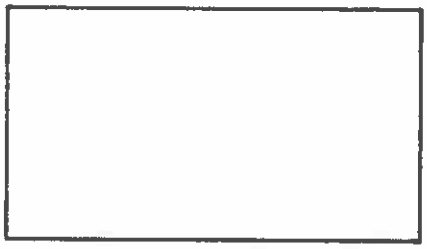
9 

10 

11 

12 

13 
3
3

14 
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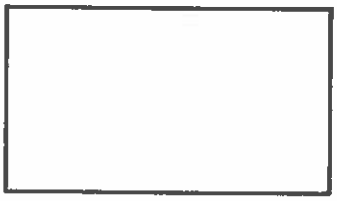
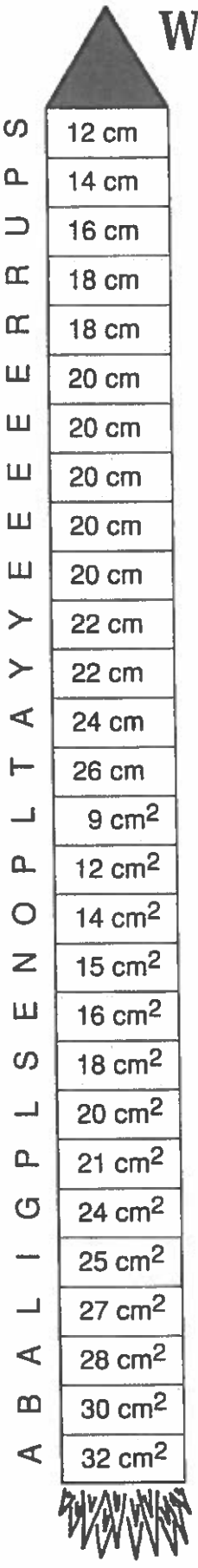
15 
4
7

TH	TU	GR	OO	BA	MI	BO	OM	MY	US	PA	IR	ST	OP	UB	PA	LS	AD	AD
32	15	9	42	20	12	28	21	44	18	8	45	24	14	16	27	30	46	10

What Did the Baseball Coach Look For in Space?

Measure the length and width of each rectangle to the nearest cm. Then compute both the PERIMETER and AREA. Find both answers in the rocket and cross out the letter next to each. (For answers that appear more than once in the rocket, it doesn't matter which one you cross out.)

When you finish, the answer to the title question will remain.



1.

2.

3.

4.

5.

6.

7.

8.

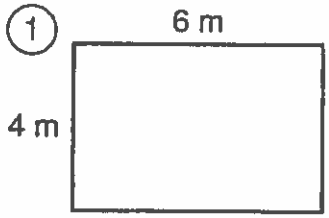
9.

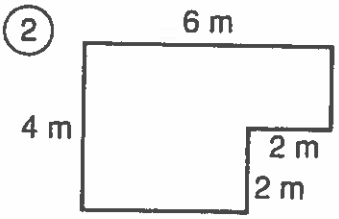
10.

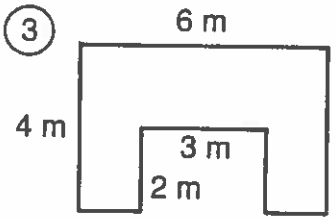
Why Do Elephants Have Ivory Tusks?

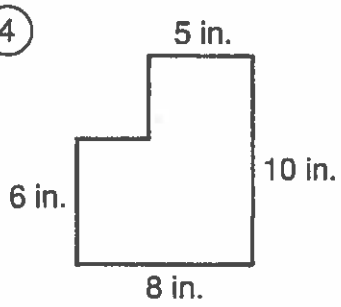
Do each exercise and find your answer in the answer columns. Write the letter of the answer in each box containing the number of the exercise.

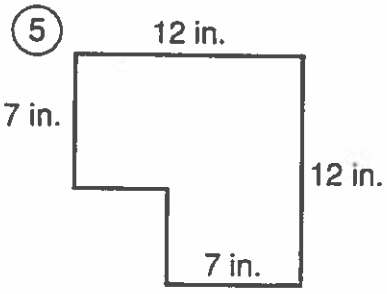
I. Find the area of each figure.

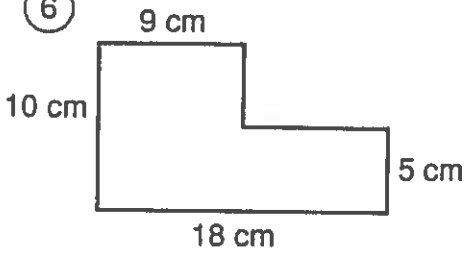
(1) 

(2) 

(3) 

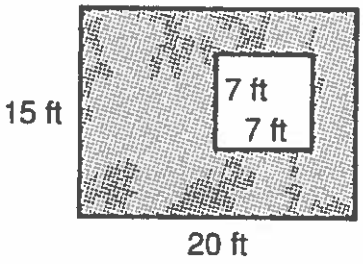
(4) 

(5) 

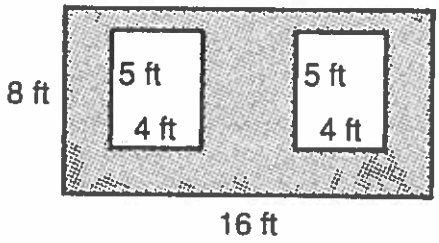
(6) 

II. Find the area of the shaded region in each figure.

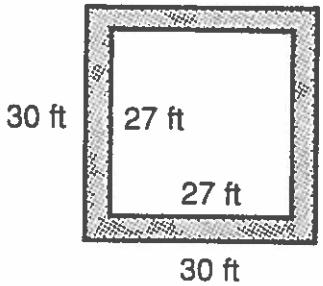
(7) yard with sandbox



(8) wall with windows



(9) sidewalk around pool



III. Solve.

(10) A bedroom is 15 ft long and 12 ft wide. How much will it cost to carpet the room if carpeting costs $22 per square yard? (1 yd = 3 ft)

(11) A rose garden in the city park is rectangular and is 9 m wide. If the area of the rectangle is 144 m^2, what is the length of the garden?

ANSWERS

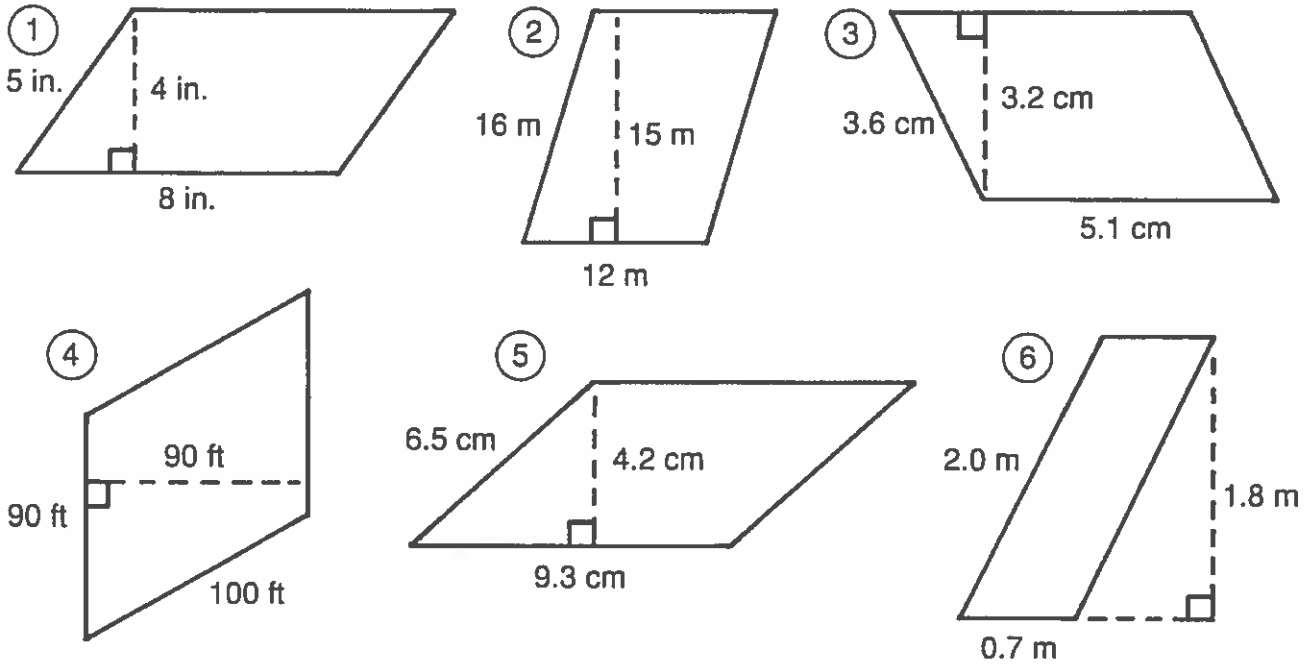
(A) 219 ft^2	(T) 68 $in.^2$	(U) 251 ft^2	(G) 124 cm^2	(C) 21 m^2	(N) $440
(L) 20 m^2	(F) $520	(V) 108 $in.^2$	(E) 24 m^2	(D) 88 ft^2	(P) 19 m
(I) 135 cm^2	(S) 171 ft^2	(R) 16 m	(B) 165 ft^2	(W) 119 $in.^2$	(O) 18 m^2

6	11	3	10	3	10	1	9	5	3	7	2	8	11	7	9	4

What Happened to Mr. Meter When Mrs. Meter's Mother Flew in for a Visit?

Cross out the box containing each correct answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

I. Find the PERIMETER and the AREA of each parallelogram.



II. Solve.

(7) The base of a parallelogram is 10 in. The height is 2 in. more than half the base. Find the area.

(8) The height of a parallelogram is 4.5 cm. The base is twice the height. What is the area?

(9) The area of a parallelogram is 60 ft^2. The height is 5 ft. How long is the base?

(10) The area of a parallelogram is 375 cm^2. The base is 25 cm. Find the height.

T 31.6 cm	SH 17.4 cm	HE 33.8 cm	RE 15 cm	E 32 $in.^2$	WE 56 m	WA 1.38 m^2	IT 70 $in.^2$
SC 37.6 cm^2	A 180 m^2	NT 12 ft	EN 18 m	DA 380 ft	RE 1.26 m^2	AL 16.32 cm^2	T 16 ft
PR 5.4 m	IM 350 ft	V 39.06 cm^2	ET 84 $in.^2$	TY 40.5 cm^2	IS 26 in.	ER 6.3 m	IT 8,100 ft^2

Tom Swift Said It This Way, Supposedly

1. "I hate playing tic-tac-toe," Tom said

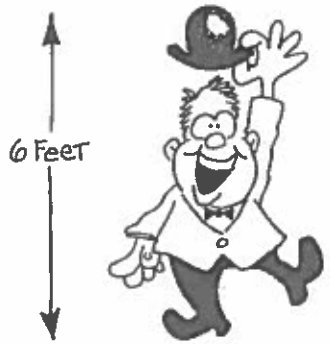
2	10	8	12	12	13	4

2. "I wish I were six feet tall," Tom said

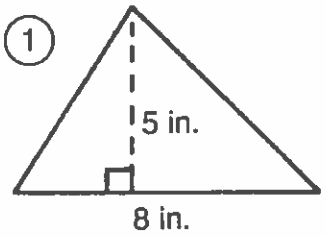
13	8	14	6	1	14	6	13	4

3. "I just flew in from the coast," Tom

5	11	3	13	9	1	14	5	7



Find the area of each triangle, then find your answer in the answer column. Write the letter of the answer in each box containing the number of the exercise.

(1)


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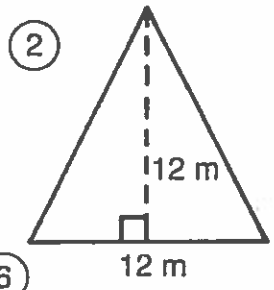

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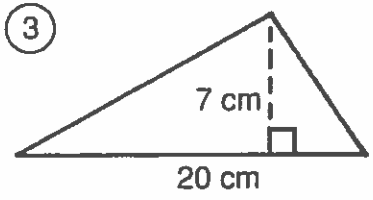

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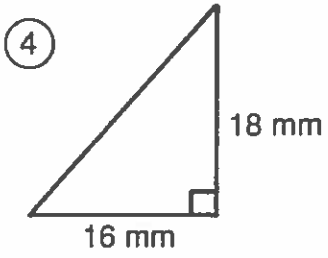

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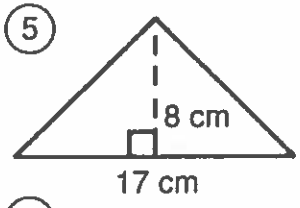

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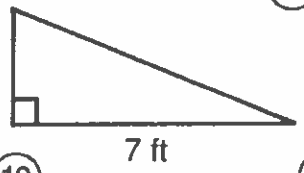

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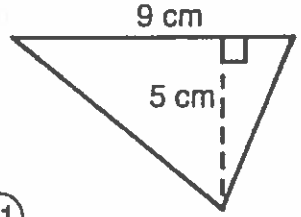
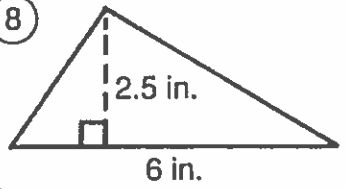


(8)


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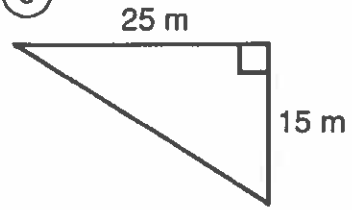

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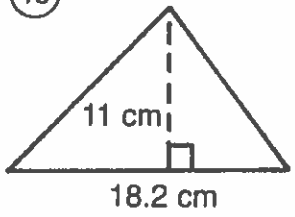
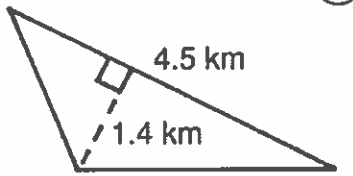
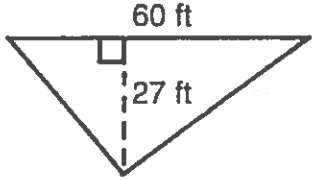


(11)


(12)


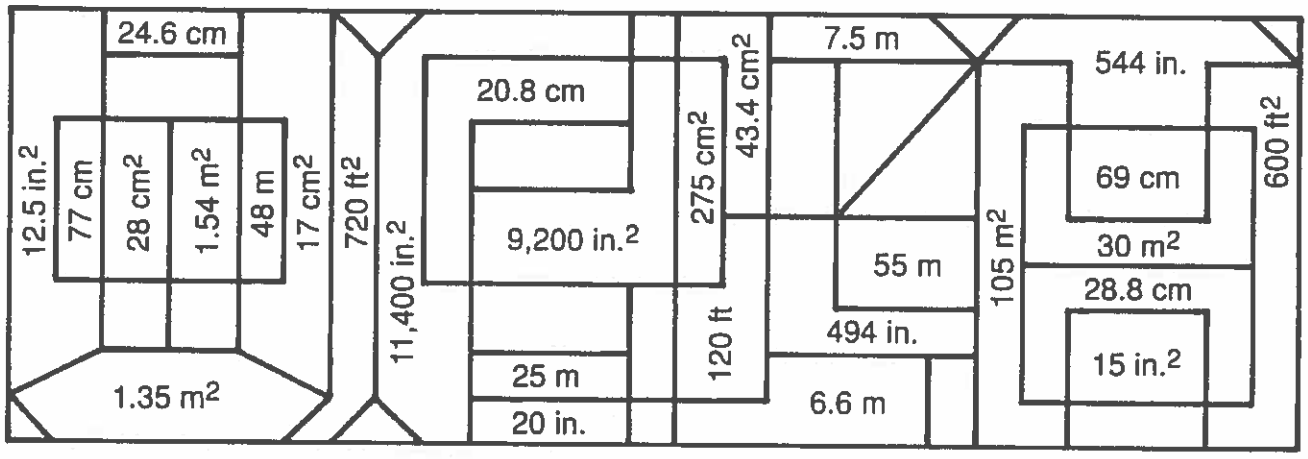
(13) A triangular sail has a base of 5 m and a height of 10 m. If canvas costs $18 a square meter, find the cost of canvas to make the sail.

(14) A square dinner napkin 8 in. on each side is folded along its diagonal. Find the area of the folded napkin.

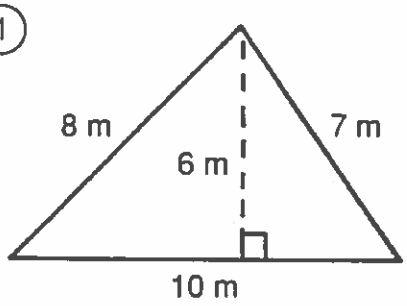
Answers

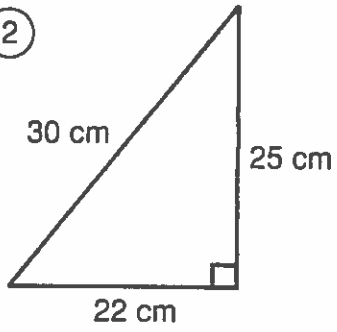
(R) 100.1 cm^2
(T) 24 $in.^2$
(G) 10.5 ft^2
(S) 810 ft^2
(U) 96.5 cm^2
(I) 20 $in.^2$
(A) 187.5 m^2
(P) 70 cm^2
(B) $475
(D) 22.5 cm^2
(N) 32 $in.^2$
(C) 72 m^2
(F) 790 ft^2
(E) 68 cm^2
(X) 3.15 km^2
(H) 172.5 m^2
(O) 7.5 $in.^2$
(L) $450
(Y) 144 mm^2
(K) 8.25 $in.^2$
(M) 3.4 km^2

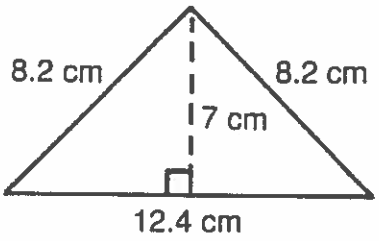
What Happens When the Smog Lifts in Los Angeles, California?

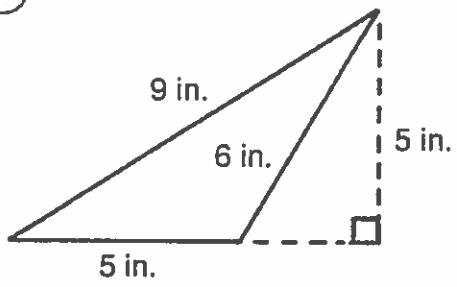


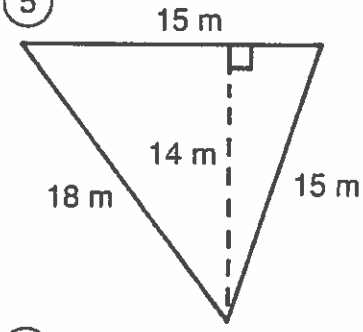
Find the AREA and the PERIMETER of each triangle below. Look for both answers in the rectangle. Shade in each area containing a correct answer.

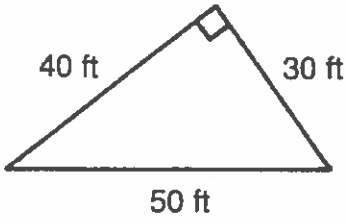
1. 

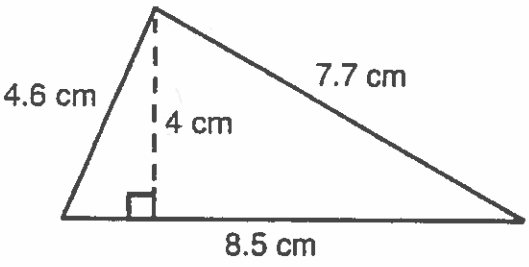
2. 

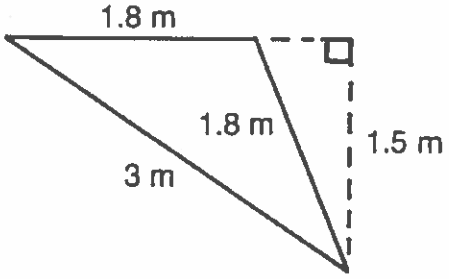
3. 

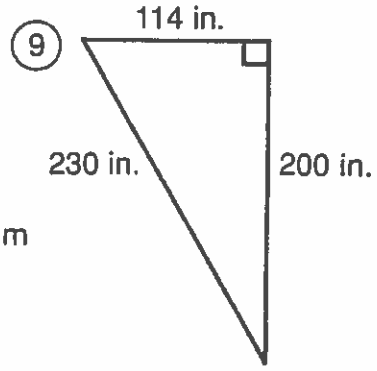
4. 

5. 

6. 

7. 

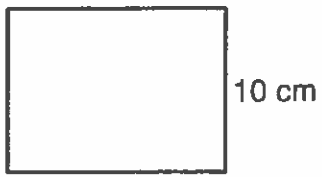
8. 

9. 

Why Was Igor Unhappy About His Spelling Test Even Though He Got Everything Right?

Give both the perimeter and area of each figure. Find each answer in the appropriate answer column. Fill in the correct unit of measure for each answer you choose, then circle the number-letter next to it. Write the letter in the matching numbered box at the bottom of the page.

(1)



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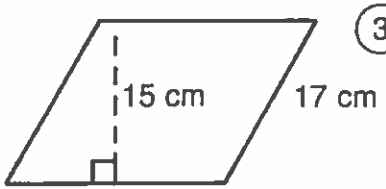
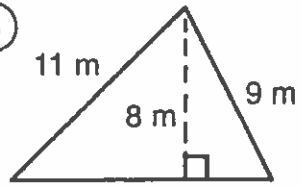


(3)



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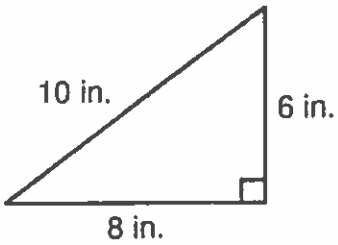
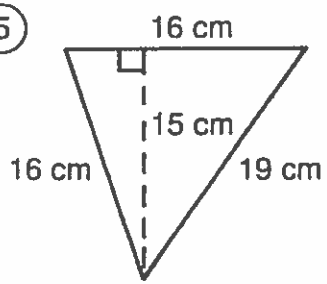


(5)



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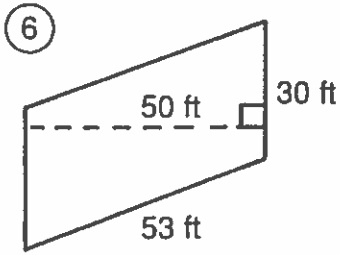
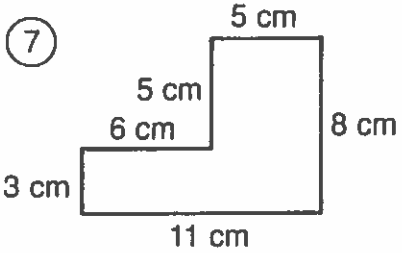
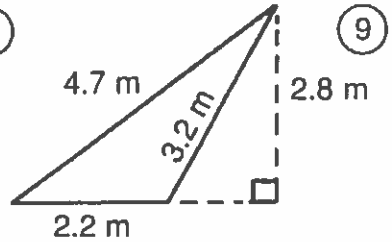


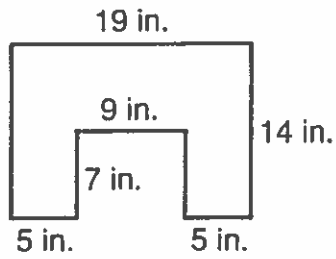
(7)



(8)



(9)



(10) Rectangle with sides of 22 cm and 28 cm.

(11) Square with sides measuring 12 in.

(12) Right triangle with sides of 8 m, 15 m and 17 m.

Perimeters	
95	21-S
24	17-E
67	18-S
10.1	8-E
46	12-L
152	16-R
100	25-W
38	20-T
32	1-H
40	4-M
9.4	27-L
51	5-I
74	22-E
34	25-F
48	7-S
166	15-T
49	8-A
80	16-H

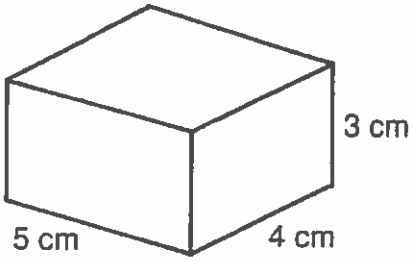
Areas	
58	13-L
34	24-A
300	6-S
60	21-H
136	4-R
3.08	29-S
64	11-O
24	26-O
144	27-R
3.26	19-I
130	28-D
1,500	2-E
203	11-A
48	9-D
240	13-P
616	19-O
120	23-R
576	7-H

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

What Happened to Zelda After She Swallowed Two Nickels, Three Dimes, and a Quarter?

Give the SURFACE AREA of each prism. Find your answer in the answer columns and notice the two letters next to it. Write these letters in the spaces over the exercise number at the bottom of the page.

(1)



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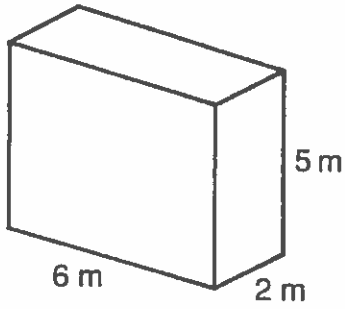

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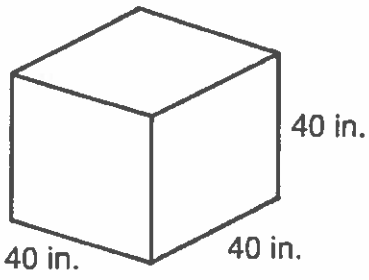

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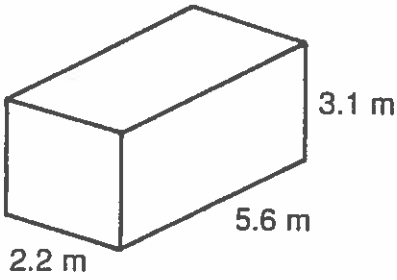

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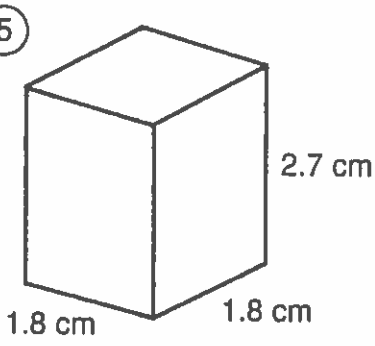

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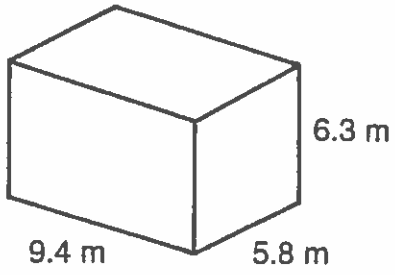


(7) A rectangular storage box is 12 in. wide, 15 in. long, and 9 in. high. How many square inches of colored paper are needed to cover the surface of the box?

(8) A teacher made a pair of foam dice to use in math games. Each cube measured 10 in. on a side. How many square inches of fabric were needed to cover the two cubes?

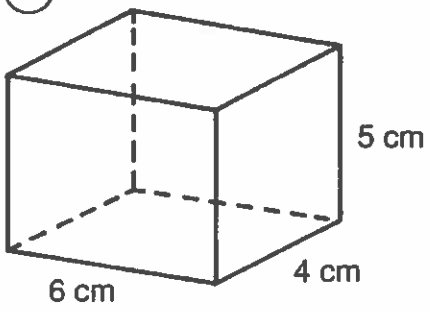
Answers

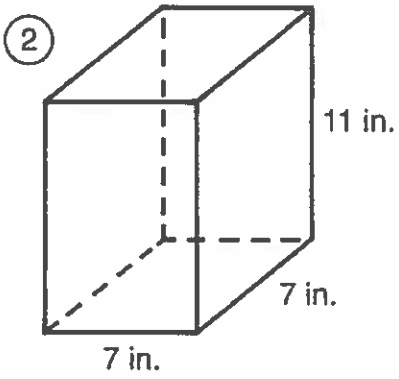
(TH) 73 m^2	(AS) 94 cm^2	(ER) 318.26 m^2	(OB) 8,560 $in.^2$
(AL) 23.12 cm^2	(IT) 86 m^2	(AN) 9,600 $in.^2$	(NO) 25.92 cm^2
(EW) 846 $in.^2$	(CH) 1,200 $in.^2$	(GE) 300.56 m^2	(PL) 1,050 $in.^2$
(ER) 104 m^2			(TR) 85 cm^2

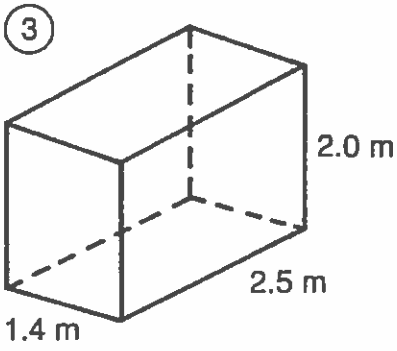
4	2	7	1	5	8	3	6

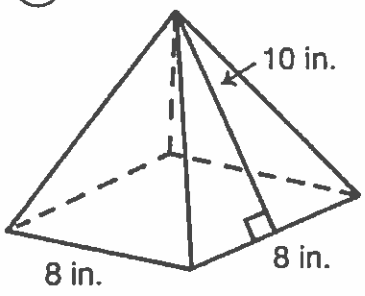
What Is Cold And Comes In Cans?

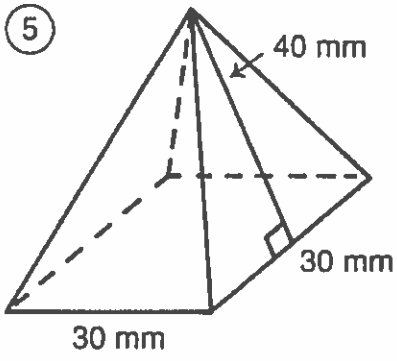
Find the surface area of each figure. Cross out the box containing each correct answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

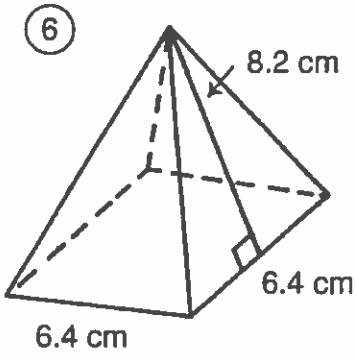
1. 

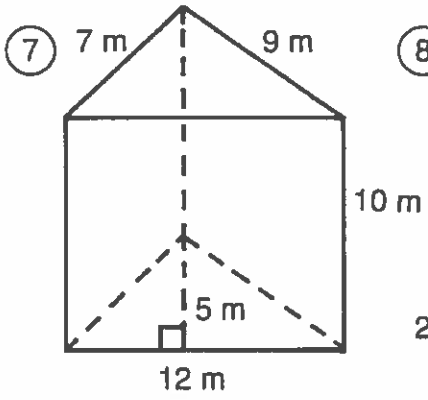
2. 

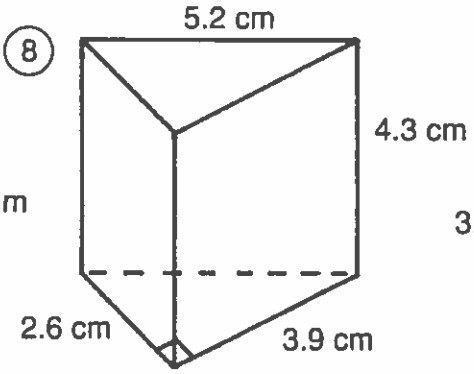
3. 

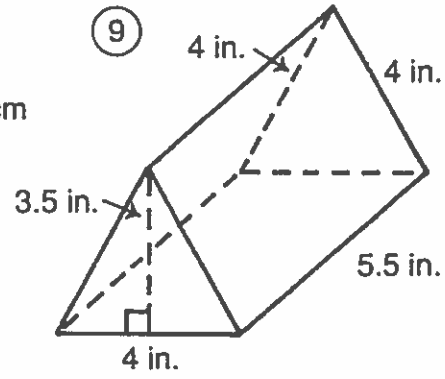
4. 

5. 

6. 

7. 

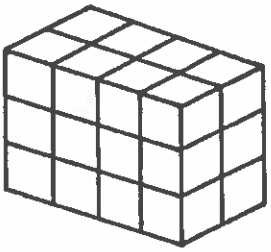
8. 

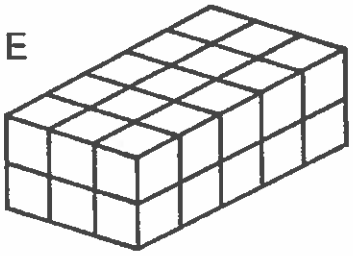
9. 

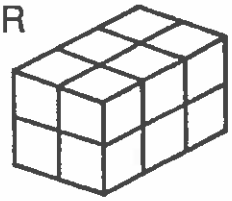
MU	RI	CH	OW	OP	FO	IL
340 m^2	224 $in.^2$	3,120 mm^2	148 cm^2	80 $in.^2$	3,300 mm^2	118 $in.^2$
IB	AR	CL	EA	CA	NS	KE
81.5 cm^2	22.6 m^2	60.45 cm^2	312 m^2	145.92 cm^2	25.8 m^2	406 $in.^2$

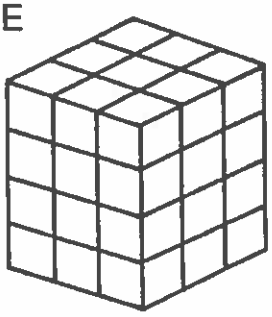
Mystery: What happened when a 6-year old, a 5-year old, a 4-year old, a 3-year old, and a 2-year old joined to form a basketball team?

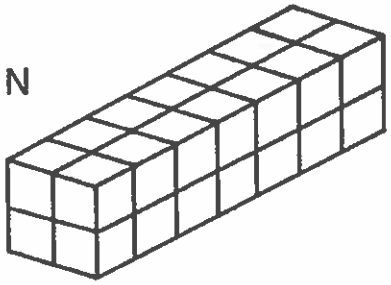
Find the volume of each prism in cubic units. Write the letter of the exercise in the box containing the answer.

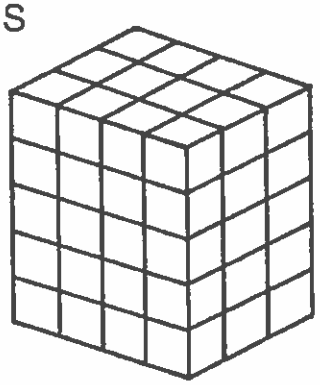
H 

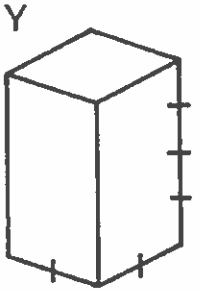
E 

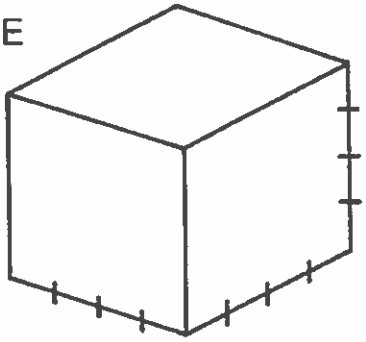
R 

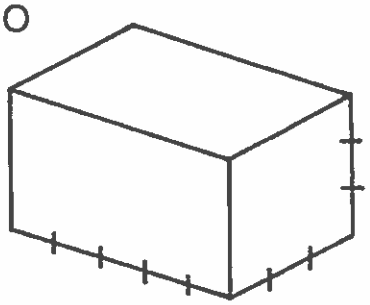
E 

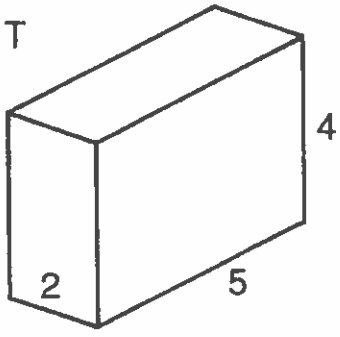
N 

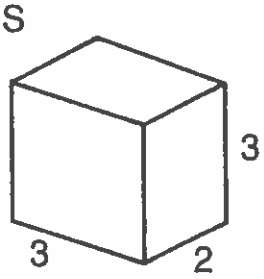
S 

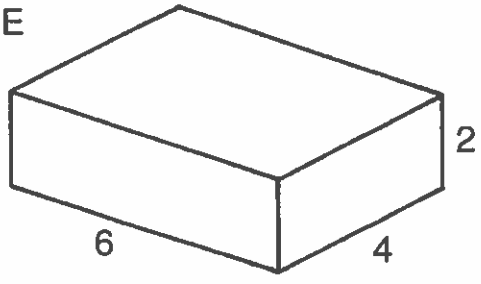
Y 

E 

O 

T 

S 

E 

(L) $\ell = 3$; $w = 7$; $h = 2$

(W) $\ell = 4$; $w = 3$; $h = 6$

(E) $\ell = 5$; $w = 5$; $h = 3$

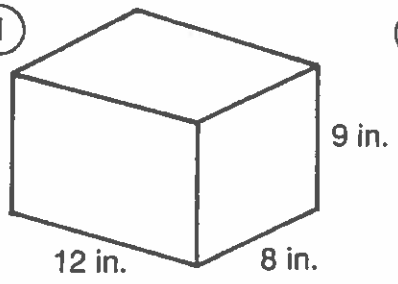
	40	24	36	16	32	72	64	12	48	80	45	28	75	42	30	60	18

What Movie Is about a Kid Who Ran Away from Home with His Bicycle?

Find each answer in the answer columns and notice the two letters next to it. Write these letters in the spaces over the exercise number at the bottom of the page.

I. Find the volume of each rectangular prism.

(1)



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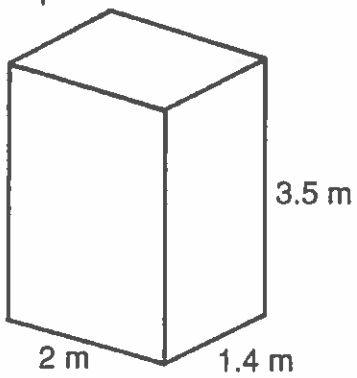
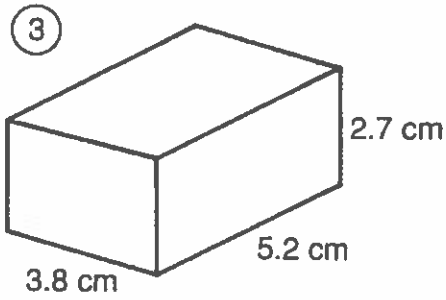


(3)



II. Solve.

(4) A classroom is 26 ft wide, 32 ft long, and 9 ft high. What is the volume of the room in cubic feet?

(5) A swimming pool is 20.6 m long, 8.5 m wide, and has an average water depth of 1.7 m. Find the volume of water needed to fill the pool.

(6) If all the gold that has been produced in the last 500 years could be melted to form a single cube, each side would measure about 16 m. How many cubic meters of gold is this?

(7) A refrigerator is 3 ft wide, 2.5 ft deep, and 6 ft high. The walls and other parts of the refrigerator take up 20 ft^3. How many cubic feet are left for food?

(8) Krispy Kritters Cereal used to come in a box with a volume of 2,850 cm^3. However, The Krispy Kritters Co. designed a new larger box 22.5 cm wide, 6.2 cm deep, and 30 cm high. How many more cubic centimeters will the new box hold than the old box?

(9) An aquarium weighs 22.5 lb when empty. The aquarium is 30 in. long, 14 in. wide, and is filled with water to a depth of 18 in. Water weighs 0.036 pound per cubic inch. How much does the aquarium weigh when it is full of water?

ANSWERS

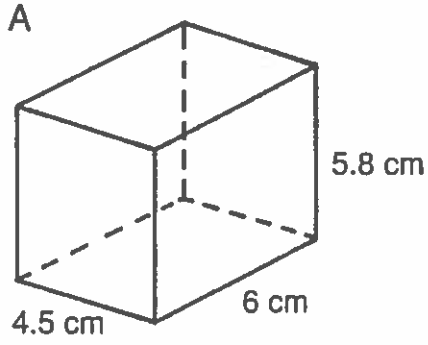
(RU) 985 cm^3	(ST) 6,118 ft^3	(WI) 4,096 m^3	(LA) 314.56 lb	(TH) 864 $in.^3$
(NN) 297.67 m^3	(CH) 53.352 cm^3	(IN) 23.5 ft^3	(GO) 1,335 cm^3	(LE) 311.27 m^3
(WI) 294.66 lb	(ES) 25 ft^3	(NE) 9.8 m^3	(PA) 3,986 m^3	(TH) 7,488 ft^3

8	2	6	1	4	7	3	9	5

What Is Big, Gray, and Lives in California?

Find the volume of each prism. Write the letter of the exercise in the box above the answer at the bottom of the page.

A



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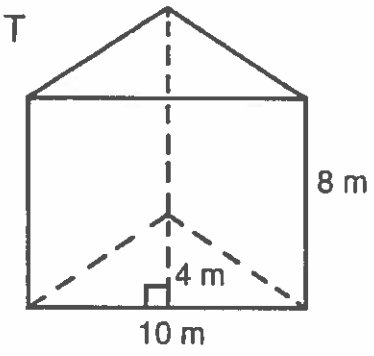

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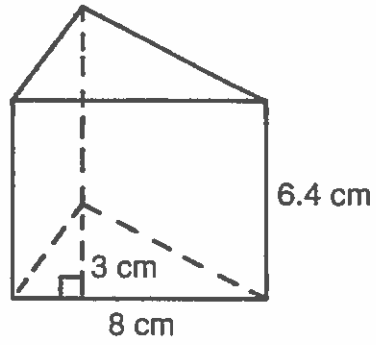

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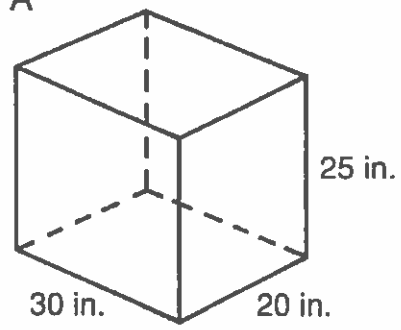

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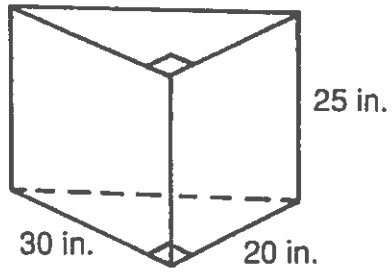

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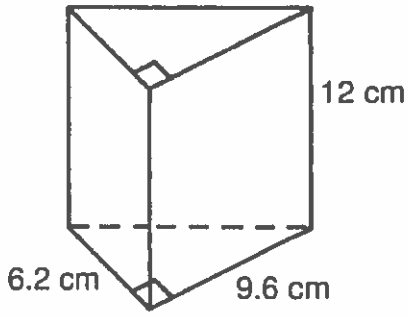

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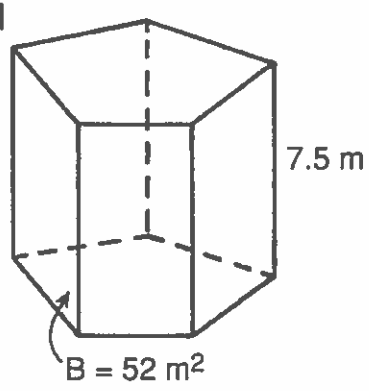
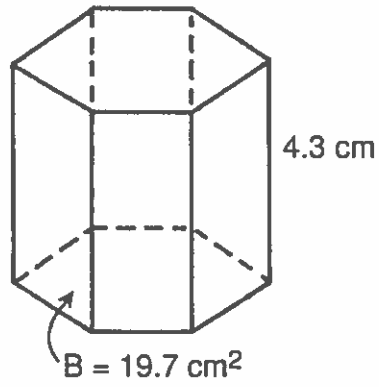
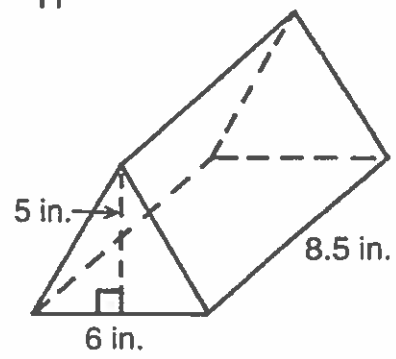


L



H



83.8 cm³	357.12 cm³	76.8 cm³	8,800 in.³	92.31 cm³	84.71 cm³	156.6 cm³	114.5 in.³	364.5 m³	7,500 in.³	127.5 in.³	15,000 in.³	390 m³	160 m³	349.22 cm³