

After Building 9 Model Ships, Why Was Baxter Bix Reminded of Cats?

Estimate each product. Under each exercise, circle the letter of the better choice. Write this letter in the box containing the number of the exercise.

- | | | |
|--|--|--|
| <p>① 7×4.83
O about 340
A about 34</p> | <p>② 5×9.28
T about 46
B about 4.6</p> | <p>③ 96×3.9
O about 370
S about 37</p> |
|--|--|--|

- | | | |
|---|---|--|
| <p>④ $8.07 \times \\$44$
T about \$3,600
H about \$360</p> | <p>⑤ 6.7×9.1
E about 61
R about 610</p> | <p>⑥ 2.875×16.4
N about 4.7
I about 47</p> |
|---|---|--|

- | | | |
|--|---|---|
| <p>⑦ 4.1×517
L about 210
U about 2,100</p> | <p>⑧ 930×1.94
P about 180
H about 1,800</p> | <p>⑨ 12.5×63.06
D about 790
R about 7,900</p> |
|--|---|---|

- | | | |
|--|--|--|
| <p>⑩ 8×7.4
E more than 56
A less than 56</p> | <p>⑪ $3.2 \times \\$20$
T more than \$60
N less than \$60</p> | <p>⑫ 11×6.67
C more than 77
G less than 77</p> |
|--|--|--|

- | | | |
|---|--|---|
| <p>⑬ 0.98×528
M more than 528
H less than 528</p> | <p>⑭ 5×4.807
R more than 25
J less than 25</p> | <p>⑮ 25.3×3
U more than 75
L less than 75</p> |
|---|--|---|

- | | | |
|---|--|---|
| <p>⑯ 1.07×528
S more than 528
R less than 528</p> | <p>⑰ 2.9×4.9
N more than 15
T less than 15</p> | <p>⑱ 7.3×9.18
N more than 63
D less than 63</p> |
|---|--|---|

- | | | |
|---|--|---|
| <p>⑲ 6.29×1.085
B more than 6
P less than 6</p> | <p>⑳ 3.921×11.64
W more than 48
T less than 48</p> | <p>㉑ $8.63 \times \\$8.70$
D more than \$81
K less than \$81</p> |
|---|--|---|

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

Permission is given to teachers to reproduce this page for classroom use. Middle School Math with Pizzazz! Book B, page 36

Why Did the Greenhouse Call a Doctor?

Do each exercise and find your answer 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.

①
$$\begin{array}{r} 7.3 \\ \times 4 \\ \hline \end{array}$$

②
$$\begin{array}{r} 6.18 \\ \times 9 \\ \hline \end{array}$$

③
$$\begin{array}{r} 29.6 \\ \times 8 \\ \hline \end{array}$$

④
$$\begin{array}{r} 9.34 \\ \times 5 \\ \hline \end{array}$$

⑤
$$\begin{array}{r} 283 \\ \times 0.7 \\ \hline \end{array}$$

⑥
$$\begin{array}{r} 1475 \\ \times 0.06 \\ \hline \end{array}$$

⑦
$$\begin{array}{r} 3.8 \\ \times 24 \\ \hline \end{array}$$

⑧
$$\begin{array}{r} 69 \\ \times 9.2 \\ \hline \end{array}$$

⑨
$$\begin{array}{r} 0.87 \\ \times 85 \\ \hline \end{array}$$

⑩
$$\begin{array}{r} 0.604 \\ \times 91 \\ \hline \end{array}$$

⑪
$$\begin{array}{r} 397 \\ \times 0.27 \\ \hline \end{array}$$

⑫
$$\begin{array}{r} 268 \\ \times 0.075 \\ \hline \end{array}$$

⑬ 0.46×37

⑭ 52×0.095

⑮ $8.1 + 8.1 + 8.1 + 8.1 + 8.1 + 8.1 + 8.1$

⑯ $0.625 + 0.625 + 0.625 + 0.625$

⑰ $1.09 + 1.09 + 1.09 + 1.09 + 1.09$

⑱ Ms. Blox bought 6 pounds of hamburger at \$1.88 per pound and a bag of potatoes for \$1.35. How much did she spend in all?

⑲ A classified ad costs \$2.45 per line per day. How much will it cost to run a 4-line ad for 7 days?

- Answers 1 – 6:
- (L) 184.1 (A) 88.5
 (T) 236.8 (I) 55.62
 (E) 54.82 ● 255.8
 (N) 29.2 (S) 198.1
 ● 46.7 (R) 86.3

- Answers 7 – 14:
- (E) 653.8 (I) 20.1
 (D) 54.964 (O) 104.29
 ● 4.94 (W) 91.2
 (E) 18.42 (O) 17.02
 ● 73.95 (I) 634.8
 (A) 107.19 (R) 55.854
 (S) 4.36 (S) 71.85

- Answers 15 – 19:
- (K) 5.94 (N) \$12.63
 (P) 2.5 ● \$67.80
 (B) \$13.33 (W) 5.45
 (F) 54.3 (H) 56.7
 (D) \$68.60 (D) 3.2

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

Math with Pizzazz! (Binder B). Copyright © Wright Group/McGraw-Hill
 Permission to reproduce this page for classroom use with Middle

★ How Do You a Spaceship in Space? 4

Do each exercise and find your answer in the rectangle below. Cross out the box that contains your answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

①
$$\begin{array}{r} 3.8 \\ \times 0.6 \\ \hline \end{array}$$

②
$$\begin{array}{r} 0.92 \\ \times 0.7 \\ \hline \end{array}$$

③
$$\begin{array}{r} 47.8 \\ \times 0.04 \\ \hline \end{array}$$

④
$$\begin{array}{r} 19.5 \\ \times 0.6 \\ \hline \end{array}$$

⑤
$$\begin{array}{r} 46.93 \\ \times 0.08 \\ \hline \end{array}$$

⑥
$$\begin{array}{r} 7.1 \\ \times 5.3 \\ \hline \end{array}$$

⑦
$$\begin{array}{r} 0.89 \\ \times 2.7 \\ \hline \end{array}$$

⑧
$$\begin{array}{r} 2.04 \\ \times 0.95 \\ \hline \end{array}$$

⑨
$$\begin{array}{r} 1.62 \\ \times 5.8 \\ \hline \end{array}$$

⑩
$$\begin{array}{r} 376.4 \\ \times 0.007 \\ \hline \end{array}$$

⑪
$$\begin{array}{r} 0.825 \\ \times 18 \\ \hline \end{array}$$

⑫
$$\begin{array}{r} 0.436 \\ \times 0.69 \\ \hline \end{array}$$

⑬ 0.7×0.8

⑭ 15.8×0.3

⑮ $4.5 \times \$9.72$

⑯ 0.6309×1.5

⑰ 0.9×0.999

⑱ 0.083×202

⑲ Sound is used to measure ocean depth. Sound travels 1.5 km per second through water. If it takes 3.7 seconds for a sound to reach the bottom of the ocean, how deep is the water?

⑳ A scale model of a race car is 18.2 cm long and 6.9 cm wide. Each centimeter on the model represents 0.3 m on the actual car. How long is the actual car?

YO 9.396	US 1.912	LA 0.8991	WI 4.96 m	SH 0.30084	IP 3.7544	RE 5.46 m	TH \$41.64	EY 4.74
AS 0.90115	TI 0.56	CK 2.403	HO 16.766	TR 0.8871	YA 2.28	ST 2.6348	AR 0.94635	OK 0.31114
IN 14.85	MA 11.7	NO 4.85 km	TE 5.55 km	IT 0.644	UP \$43.74	TS 9.576	PA 1.938	CE 37.63

BOOKS NEVER WRITTEN

The Broken Window Mystery by

5.04 9.36 9.81 1.2010111 1,062.36 86.4 14.44 2,520 6,000

Weeds in the Garden by

0.99 9.81 32.76 2.5201 0.99 5,840 1.617 1.672 0.216 32.76

Conceit Is Neat by

14.44 1,013.36 1.11111111 1.962 1.6625 86.4 9.81 2.2301 5.04

ABOVE ARE THE TITLES OF THREE "BOOKS NEVER WRITTEN." TO DECODE THE NAMES OF THEIR AUTHORS:

Do each exercise and find your answer in the code. Each time the answer appears, write the letter of the exercise above it.

(I)
$$\begin{array}{r} 7.6 \\ \times 1.9 \\ \hline \end{array}$$

(Y)
$$\begin{array}{r} 0.44 \\ \times 3.8 \\ \hline \end{array}$$

(G)
$$\begin{array}{r} 2.375 \\ \times 0.7 \\ \hline \end{array}$$

(N)
$$\begin{array}{r} 50.4 \\ \times 0.65 \\ \hline \end{array}$$

(C)
$$\begin{array}{r} 300 \\ \times 8.4 \\ \hline \end{array}$$

(T)
$$\begin{array}{r} 7.69 \\ \times 0.29 \\ \hline \end{array}$$

(A)
$$\begin{array}{r} 545 \\ \times 0.018 \\ \hline \end{array}$$

(B)
$$\begin{array}{r} 817.2 \\ \times 1.3 \\ \hline \end{array}$$

(O) $0.6 \times 0.6 \times 0.6$

(L) $(4.9 + 0.49) \times 0.3$

(K) $0.75 \times 8,000$

(V) A gas tank contains 5.3 gallons. The capacity of the tank is 12.5 gallons. How much will it cost to fill the tank at \$1.30 per gallon?

\$ _____

(E) $0.9 \times 0.8 \times 7$

(D) $(5 - 0.5) \times 0.22$

(M) 0.12345679×9

(R) Tape travels through a tape player at a speed of 0.048 meters per second. How long is a tape that can play for 30 minutes?

_____ m

with Pizzazz! (Binder B), Copyright © Wright Group/McGraw-Hill

Permission is given to instructors to reproduce this page for classroom use with Middle

Fun Times, Mathematically



- "I'm waiting to see a doctor," Tom said

11	5	15	14	1	16	15	3	7
----	---	----	----	---	----	----	---	---
- "I work for Nestles' Chocolate Company," Tom said

1	2	8	1	4	2	9	3	7
---	---	---	---	---	---	---	---	---
- "I just had brain surgery," Tom said

5	13	6	1	16	15	4	14	16	10	1	10	3	7
---	----	---	---	----	----	---	----	----	----	---	----	---	---

Answers 1 – 8:

- (I) 0.0738
- (R) 2.154
- (L) 0.0522
- (Y) 0.8836
- (E) 0.072
- (O) 0.00594
- (S) 0.001925
- (U) 570
- (C) 0.00644
- (A) 0.0688
- (N) 0.8666
- (M) 2.664
- (T) 548

THESE ARE CALLED "TOM SWIFTY" JOKES. TO DECODE THE MISSING WORDS:

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.

(1)
$$\begin{array}{r} 0.18 \\ \times 0.4 \\ \hline \end{array}$$

(3)
$$\begin{array}{r} 8.7 \\ \times 0.006 \\ \hline \end{array}$$

(4)
$$\begin{array}{r} 0.333 \\ \times 8 \\ \hline \end{array}$$

(5)
$$\begin{array}{r} 0.43 \\ \times 0.16 \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 9.625 \\ \times 0.0002 \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 0.188 \\ \times 4.7 \\ \hline \end{array}$$

(8)
$$\begin{array}{r} 6000 \\ \times 0.095 \\ \hline \end{array}$$

(9) 2.9×0.007

(10) $0.3 \times 0.3 \times 0.3$

(11) $(0.6 + 0.27) \times 0.05$

(12) $(7 - 0.8) \times 0.049$

(13) 38×0.00008

(14) 0.001×0.001

(15) A pen costs \$1.38. The sales tax is 0.06 of the cost. What is the amount of sales tax, rounded to the nearest cent?

(16) On a map, 1 cm represents 37.5 km. If two towns are 2.6 cm apart on the map, what is the actual distance between them?

Answers 9 – 16:

- (H) 0.3118
- (K) 0.0203
- (W) 0.0385
- (T) \$0.08
- (R) 94.2 km
- (D) 0.027
- (Q) 0.3038
- (F) 0.00264
- (I) 0.000001
- (N) 97.5 km
- (P) 0.0435
- (G) \$0.07
- (B) 0.00304

Why Do Some People Sleep with Hair Rollers?

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

Write each product.

(A) 0.3×0.4

(L) 0.8×0.2

(T) 0.5×0.7

(U) 0.6×0.6

(I) 0.3×0.04

(O) 0.8×0.02

(N) 0.07×0.5

(E) 0.09×0.4

(30) 0.35

(28) 0.035

(12) 3.6

(10) 0.12

(18) 0.36

(2) 0.016

(16) 0.036

(24) 0.16

(38) 0.012

Write each product.

(Y) 0.2×6

(N) 0.7×4

(E) 3×0.8

(H) 6×0.5

(S) 0.3×0.9

(R) 0.3×0.09

(I) 0.06×0.4

(C) 0.06×0.04

(27) 0.024

(6) 2.4

(1) 0.27

(8) 0.018

(39) 2.8

(9) 0.0024

(25) 1.2

(36) 0.027

(31) 3

Write each product.

(H) 0.3×0.6

(G) 0.2×0.2

(A) 0.3×0.3

(E) 0.2×0.3

(N) 0.4×8

(O) 0.4×80

(U) 0.6×70

(T) 0.9 of 20

(32) 0.06

(5) 0.18

(35) 32

(4) 18

(11) 3.2

(14) 0.09

(22) 42

(40) 0.04

(3) 0.028

Write each product.

(W) 0.5×0.5

(M) 0.5×0.05

(P) 0.5×5

(Y) 0.5×50

(C) 0.5×0.8

(N) 0.5×0.08

(K) 0.5 of 8

(R) 0.5 of 80

(19) 2.5

(21) 0.4

(34) 0.025

(15) 4

(7) 25

(26) 0.0025

(23) 40

(13) 0.25

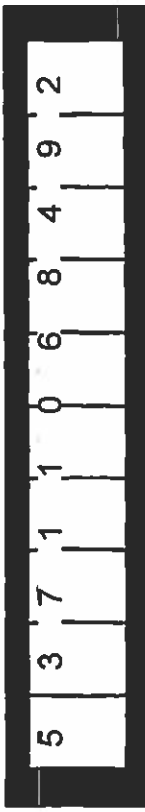
(37) 0.04

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	30	31	32	33	34	35	36	37	38	39	40

Permission is given to instructors to reproduce this page for classroom use with Middle School Math with PIZZAZZ! Binder D. Copyright © Wright Group/McGraw-Hill

To Whom Did the Famous Chef Write Letters Every Week?

Multiply mentally, write your answer, and then mark it in the answer columns. For each set of exercises, there is one extra answer. Write the letter of this answer in the corresponding box at the right.



1	3.78×10 0.378×10 3.78×100 0.61×10	Answers: <input type="radio"/> A 3.78 <input type="radio"/> P 3,780 <input type="radio"/> L 37.8 <input type="radio"/> V 378	100 $\times 0.0058$ 10×0.0058 $1,000 \times 0.058$ $7.604 \div 100$	Answers: <input type="radio"/> H 58 <input type="radio"/> C 0.058 <input type="radio"/> N 5.8 <input type="radio"/> W 0.58
2	0.61×100 6.1×100 $4.777 \div 1,000$	Answers: <input type="radio"/> N 61 <input type="radio"/> R 6.1 <input type="radio"/> Y 610 <input type="radio"/> S 6,100	\times $76.04 \times 1,000$ 0.7604×10 $0.3 \times 0.9 \times 10$	Answers: <input type="radio"/> T 7.604 <input type="radio"/> S 76.04 <input type="radio"/> L 760.4 <input type="radio"/> C 76,040
3	$4.77 \times 1,000$ $4.7 \times 1,000$ 18.3×10	Answers: <input type="radio"/> E 4,770 <input type="radio"/> T 4,700 <input type="radio"/> J 477 <input type="radio"/> O 4,777	$0.3 \times 0.9 \times 100$ $0.3 \times 0.9 \times 1,000$ $10 \times 0.6 \times 0.6$	Answers: <input type="radio"/> P 0.27 <input type="radio"/> D 27 <input type="radio"/> N 2.7 <input type="radio"/> G 270
4	18.3×100 $18.3 \times 1,000$ $10 \div 0.092$	Answers: <input type="radio"/> U 183 <input type="radio"/> A 18.3 <input type="radio"/> B 1,830 <input type="radio"/> G 18,300	$100 \times 0.9 \times 0.4$ $1,000 \times 1.2 \times 0.3$	Answers: <input type="radio"/> R 3.6 <input type="radio"/> T 360 <input type="radio"/> B 36 <input type="radio"/> L 3,600
5	\times $1,000 \times 0.92$ 100×92	Answers: <input type="radio"/> H 9.2 <input type="radio"/> M 0.92 <input type="radio"/> S 920 <input type="radio"/> K 9,200	$10 \times \$5.75$ $100 \times \$57.50$ $1,000 \times \$0.575$	Answers: <input type="radio"/> O \$57.50 <input type="radio"/> I \$575.00 <input type="radio"/> A \$5.75 <input type="radio"/> U \$5,750.00

Why Did Igor Glue His Clock to the Wall?

Estimate each product. Under each exercise, circle the letter of the better choice. Write this letter in the box containing the number of the exercise.

- | | | |
|--|---|--|
| <p>① 5.1×2.3
E about 1.2
T about 12</p> | <p>② 7.8×4.06
N about 32
L about 320</p> | <p>③ 6.2×0.81
E about 5
H about 50</p> |
| <p>④ 3.94×5.25
S about 2
A about 20</p> | <p>⑤ 0.42×0.93
I about 0.4
R about 4</p> | <p>⑥ 0.19×0.707
U about 0.14
B about 1.4</p> |
| <p>⑦ 0.666×52
D about 3.5
E about 35</p> | <p>⑧ 97.4×0.29
A about 28
F about 280</p> | <p>⑨ $4.84 \times \\$81.95$
T about \$40
G about \$400</p> |
| <p>⑩ 8.3×7.09
S more than 56
L less than 56</p> | <p>⑪ 0.514×60.2
T more than 30
R less than 30</p> | <p>⑫ 0.96×12.8
K more than 12.8
H less than 12.8</p> |
| <p>⑬ 0.69×0.7
R more than 0.5
J less than 0.5</p> | <p>⑭ 0.38×0.86
O more than 0.36
I less than 0.36</p> | <p>⑮ 4.1×209
S more than 800
M less than 800</p> |
| <p>⑯ $10.3 \times \\$76$
W more than \$760
L less than \$760</p> | <p>⑰ $9.8 \times \\$76$
C more than \$760
T less than \$760</p> | <p>⑱ 1.054×3.9
P more than 3.9
N less than 3.9</p> |
| <p>⑲ Veal costs \$7.19 per pound. Ms. Ruffle bought 0.82 pound of veal. About how much did it cost?
R about \$4 M about \$6</p> | <p>⑳ Gas costs \$1.099 per gallon. Zzyzx Hunk bought 18.7 gallons. About how much did it cost?
V about \$15 S about \$20</p> | |

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

Permission is granted to reproduce this page for classroom use in Middle School Math with Pizzazz! Book B. Copyright © W. G. J. Zazz!



What Is the Easiest Way to Make More Money?

Do each exercise mentally, write your answer, and then find it in the corresponding set of answers. Write the letter of the exercise in the box above the answer.

3.7	1.3	4.9	6.375	4.3	5.6	0.6	0.5	0.1	4.5	9.4	0.36	0.008	16	0.42	50	0.018	0.62	21	0.0054	45	0.4	0.002	0.028
U $0.6 + 0.7$	C $3.5 + 2.1$	L $9 + 0.4$	T $6 + 0.375$	U $0.8 - 0.3$	J $7.9 - 4.2$	P $5 - 0.5$	S $5 - 0.1$	R $10 - 9.4$	M $10 - 9.9$	O 0.7×0.6	E 0.9×0.4	A 0.5×0.8	E 0.03×0.6	D 0.4×0.07	P 0.06×0.09	N 0.04×0.05	S 0.8×20	U 0.3×70	M 500×0.1				

$3.3 + 0.33$	$9 + 1.8$	$9 - 1.8$	$1 + 0.01$	$1 - 0.01$	$0.4 \times 0.6 \times 10$	$0.8 \times 0.3 \times 100$	$0.7 \times 0.5 \times 1,000$	$0.2 \times 0.4 \times 0.9$	$0.6 \times 0.1 \times 0.5$	$1.3 + 0.02$	$1.3 - 0.02$	1.3×0.02	$0.7 \text{ of } 70$	$0.7 \text{ of } 700$	$(0.9)^2$	$(0.2)^2$	$(0.05)^2$	$1 + 18.6$	1×18.6
I	O	D	L	I	L	Y	F	U	N	A	T	E	I	S	C	E	N	S	R

24	10.8	0.072	1.01	2.4	0.48	350	3.63	0.03	7.2	18	0.99	1.28	0.006	49	0.0025	0.24	0.81	18.6	0.04	1.32	19.6	0.026	490
------	--------	---------	--------	-------	--------	-------	--------	--------	-------	------	--------	--------	---------	------	----------	--------	--------	--------	--------	--------	--------	---------	-------

What Did the Working Horse Get Every Friday?

Decide whether you would choose mental math, estimation, or a tool (calculator and/or paper and pencil) to solve each problem. CIRCLE the letter in the appropriate column next to the problem.

Then solve the problem. Find the answer at the bottom of the page and write the letter you circled under it.

Choose: **M** mental math, **E** estimation, or **T** tool

		M	E	T
1	Susan would like to estimate the width of a lawn. She knows that her stride averages about 0.7 meter. She counts 39 strides to cross the lawn. About how wide is it? _____ m	R	H	U
2	A red blood cell 0.085 mm in diameter is magnified 100 times. What is the diameter of the magnified cell? _____ mm	C	L	G
3	Hector bought 2 shirts at \$17.95 each and a pair of pants at \$26.50. The sales tax was \$3.74. How much change should he receive from 4 twenty-dollar bills? \$ _____	T	H	A
4	Ernie ordered 3 buckets of fried chicken at \$11.95 each and 5 pints of cole slaw at \$2.19 each. The sales tax was \$3.04. About how much did his order cost? \$ _____	N	Y	B
5	Ms. Hugmee makes teddy bears. She uses 0.26 m of ribbon and 1.2 kg of stuffing for each bear. How much ribbon does she need for 10 bears? _____ m	K	T	E
6	Mike worked 2.25 hours on Monday, 2.5 hours on Wednesday, and 4.75 hours on Saturday. He earns \$6.20 an hour. How much did he earn in all? \$ _____	E	P	A
7	Video World sells an RCA VHS VCR, Model Q, for \$487.50. However, the store offers a discount of 0.03 of the price if you pay cash. About how much would you save by paying cash? \$ _____	A	E	O
8	Earth travels around the sun at a speed of 18.5 miles per second. How far do we travel every hour? _____ mi	P	S	C
9	WORLD RECORD: Peter Dowdesdale ate 62 pancakes, buttered and with syrup, in 6 minutes 58.5 seconds. Each pancake was 6 inches in diameter and 0.3 in. thick. If all 62 pancakes were stacked, how high would the stack be? _____ in.	H	K	X

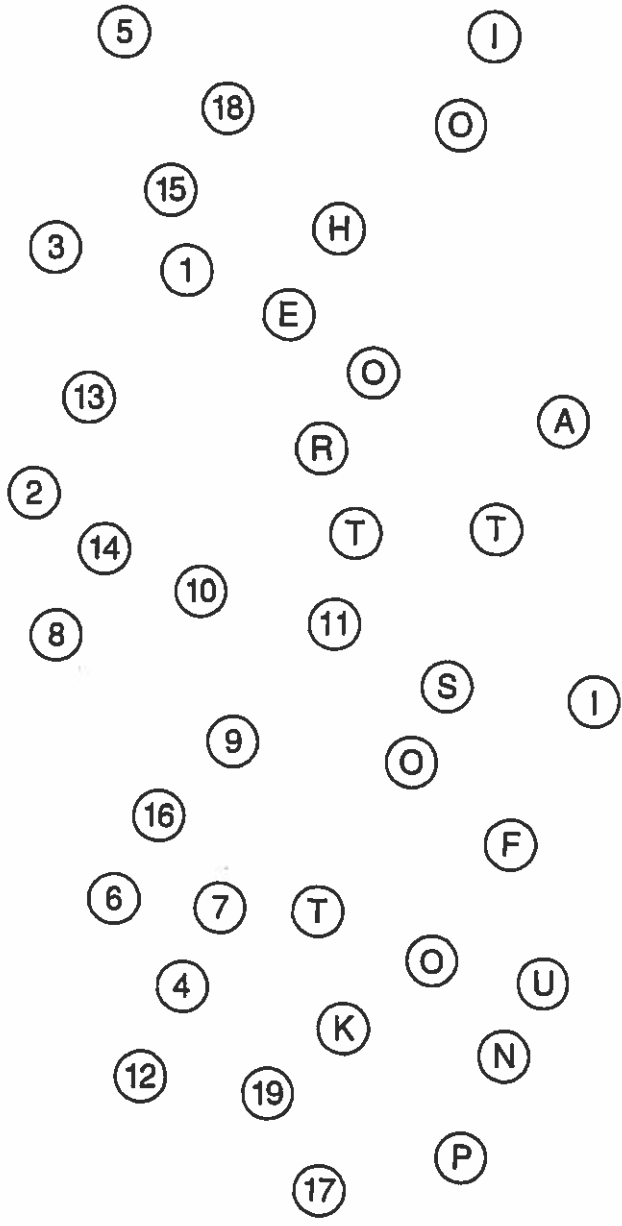
54.40	13.86	64,800	18.6	58.90	50	12.66	66,600	28	15	8.5	2.6	16.8

Permission is given to instructors to reproduce this page for classroom use with Middle School Math Pizzazz! (Binder B). Copyright © Wright Group/McGraw-Hill

What Did Grok Do With His New Helicopter?

Do each exercise below. Draw a straight line connecting the square by the exercise to the square by its answer. The line will cross a number and a letter. Write the letter in the matching numbered box at the bottom of the page.

① $4.9 + 8.54 + 12.7$	◆		◆	35.3
② $16.95 - 7.38$	◆	⑤	◆	0.0952
③ $5.16 + 9.2 + 30$	◆	⑩	◆	2.646
④ $80 - 44.7$	◆	⑮	◆	26.14
⑤ 3.81×0.6	◆	③	◆	1.895
⑥ 29.4×0.09	◆	①	◆	0.20428
⑦ 0.5107×0.4	◆	⑬	◆	51.3
⑧ 8.32×3.5	◆	②	◆	9.57
⑨ $(41.6 + 6) \times 0.002$	◆	⑭	◆	0.324
⑩ $(13.49 - 9.7) \times 0.5$	◆	⑧	◆	210.1
⑪ $0.4 \times 0.4 \times 0.4$	◆	⑩	◆	6.4
⑫ $0.63 \times 9,000$	◆	⑨	◆	0.064
⑬ $7.6 \times (7 - 0.25)$	◆	⑯	◆	44.36
⑭ $0.18 \times 0.18 \times 10$	◆	⑥	◆	984.93
⑮ $944 + 32.6 + 8.33$	◆	⑦	◆	990
⑯ $(8.001 - 5.9) \times 100$	◆	④	◆	983.33
⑰ $(10 - 0.1) \times 10 \times 10$	◆	⑫	◆	2.286
⑱ $(0.08)^2 \times 1,000$	◆	⑰	◆	5,670
⑲ $(0.5 + 0.5) \times 983.33$	◆	⑱	◆	29.12



Permission is given to instructors to reproduce this page for classroom use with Middle School Math with Pizzazz! (Binder B). Copyright © Wright Group/McGraw-Hill

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

Moving Words

Do each exercise in the top block and find your answer in the bottom block. Transfer the word from the top box to the corresponding bottom box. Keep working and you will get the flat story.

1	$7.75 + 9.4$ WAS	2	$4.8 + 16 + 0.67$ IS	3	$8.33 - 2.91$ SIX	4	$27.45 - 5.6$ A
5	$60 - 41.8$ COMFORTABLY	6	9.18×0.3 THE	7	0.08×3.46 AND	8	$0.7 \text{ of } 750$ BY
9	9.2×66.5 IN	10	$(71.4 + 4) \times 10$ WHO	11	$43.25 + 9.875$ NOW	12	$6.3 + 0.63 + 63$ EIGHT
13	$(58.1 - 5) \times 0.1$ OVER	14	$9.4 - 0.75$ MAN	15	$400 - 187.2$ ROOMS	16	$(1 - 0.1) \times 100$ RESTING
17	$(4.9 + 0.88) \times 10^3$ RUN	18	$0.5 \times 0.5 \times 0.5$ HOSPITAL	19	$0.22 \text{ of } 3,000$ STEAMROLLER	20	$0.6 + 0.25 + 0.4 + 0.75$ SEVEN
2.754	8.65	754	17.15	5,780			
5.31	525	21.85	660	21.47			
53.125	90	18.2	611.8	0.125			
212.8	5.42	2	0.2768	69.93			

Permission is given to instructors to reproduce this page for classroom use with Middle School Math with Pizzazz! (Blower B). Copyright © Wright Group/McGraw-Hill

How Much Did Dorque Pay For Two Dead Batteries?

For each exercise, write an estimate of the answer. On the number line under the exercise, find a point near your estimate. Write the letter of the exercise on the number line at that point.

(W) $27.6 + 39.25$

(E) 6×4.89

(E) $148 - 49.375$

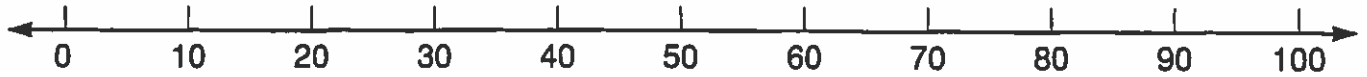
(T) 2.8×3.43

(H) 0.9×24.5

(E) $32.1 + 8.75 + 40$

(Y) In the diving competition Greg scored 754.41 points. Igor scored 712.18 points. About how many more points did Greg score than Igor? _____

(R) A car repair rate book lists 2.75 hours as the time needed to tune up an 8-cylinder car. If the hourly labor charge is \$32.50, about how much will a tuneup cost? \$ _____



(H) $8.04 - 3.89$

(O) 0.3 of 6.9

(E) $9.625 + 0.057$

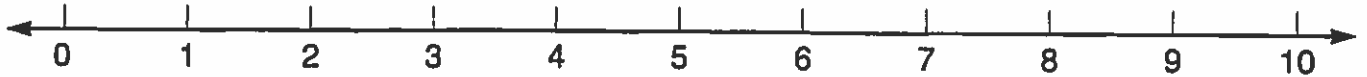
(F) 2.07×3.4

(B) $14.706 - 13.88$

(E) $6.17 + 0.92 + 2.25$

(T) Sarah bought a lavender sweater with a duck design for \$49.50. The sales tax was 0.06 of the price. About how much was the tax? \$ _____

(R) Jack and Jill ate dinner at The Hill Grill. The bill was \$38.15. They left about 0.2 of the bill as a tip. How much did they leave? \$ _____



(A) 7.2×0.104

(E) $0.32 + 0.094 + 0.57$

(C) $0.91 - 0.38$

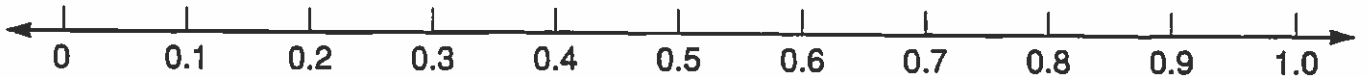
(O) 2.06×0.05

(G) 0.29 of 3.1

(F) $0.615 - 0.393$

(H) The bottom of a pan is steel with a layer of aluminum bonded to it. The steel is 0.409 cm thick. The aluminum is 0.178 cm thick. About how thick is the bottom of the pan? _____ cm

(R) Ms. Marble bought a chocolate bar that weighed 2.16 ounces. Charlie Marble ate about 0.4 of the chocolate when she wasn't looking. About how much did Charlie eat? _____ oz




use with Middle Sch of Math wit razz (Blinder B). Copyright © Wright Group/McGraw-Hill

Instructions to reproduce this page

Permis

What Did Art the Dog Give His Master for His Birthday?

Do each exercise and find your answer in the rectangle below. Cross out the box that contains your answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

1	Iggy Snerd loves his new refrigerator, because Iggy loves to eat. His old refrigerator had 17.6 cubic feet of storage space, but the new one has 20.2 cubic feet. How much more space does the new refrigerator have?							
2	Iggy bought the refrigerator on a payment plan. He paid \$150 when he bought it, and he agreed to pay \$28.50 each month for the next 24 months. A. What will be the total of the 24 monthly payments? B. How much will Iggy pay for the refrigerator altogether?							
3	Each wall of the refrigerator has two layers of steel with a layer of insulation between them. Each layer of steel is 0.074 in. thick, and the insulation is 0.45 in. thick. How thick are the walls of the refrigerator?  wall							
4	The refrigerator, naturally, has a door. Bolts 0.625 in. long go through hinges 0.13 in. thick and into the refrigerator cabinet. How far does each bolt go into the cabinet?							
5	The refrigerator is expected to use 120 kilowatt-hours of electricity each month. If the electric rate is 7.3¢ per kilowatt-hour, how much will it cost per month to operate the refrigerator?							
6	For dinner Iggy bought a barbecued chicken. It weighed 1.81 pounds and cost \$2.79 per pound. He also bought 5.4 pounds of potatoes at 49¢ per pound. A. What was the cost of the chicken? (Round to the nearest cent.) B. What was the cost of the potatoes? (Round to the nearest cent.) C. What was the cost of the chicken and potatoes together?							
7	Iggy also bought a 6-pack of fruit juice for \$2.80. Each of the 6 cartons contained 8.75 fluid ounces. How many ounces of juice did Iggy get altogether?							
8	Iggy bought ice cream for dessert. The store brand cost \$3.89 for a half gallon. The deluxe brand was sold only in quarts and cost \$2.79 per quart. A. How much did a half gallon (2 quarts) of the deluxe brand cost? B. Iggy bought a half gallon of the store brand. How much did he save?							
CA 52.5 oz	KE \$5.05	EP 2.6 ft ³	LE \$1.69	AP \$2.19	AN 0.598 in.	OT \$7.70	AI \$4.48	NT \$834
RO \$794	LE 0.495 in.	FP 53.8 oz	AN 3.4 ft ³	DO \$2.65	SI \$684	FI \$5.58	TS 0.535 in.	IT \$8.76

What Did Kate Call Her Twin Sister?

Solve each problem below. Find your answer in the answer column and notice the letter next to it. Look for this letter 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.

- ① The Macmillan family bought three bicycles last year. Two of them were 10-speed racing bikes that cost \$189.50 each. The third was a touring model that cost \$135.75. How much did the three bikes cost altogether?
- ② The record speed for a bicycle with one rider is 58.64 miles per hour. The record for a bicycle with two riders is 62.92 miles per hour. How much faster was the bicycle with two riders?
- ③ On May 23, 1932, Hubert Opperman set a 24-hour record for distance on a bicycle. He rode for 24 hours at an average speed of 35.8 miles per hour. How far did he travel?
- ④ Ms. Wink bought a helmet for \$37.95, a lock for \$12.39, and a pump for \$8.50. The tax was \$3.82. How much change did she receive from 2 fifty-dollar bills?
- ⑤ Cycle World sells bicycle tire tubes at \$4.95 each or in a package of 3 tubes for \$12.50. How much do you save by buying the package of three?
- ⑥ Bill works at Two-Tired Bike Shop after school. He works 1.75 hours each day Monday through Thursday and 1.5 hours on Friday. If Bill is paid \$5.40 per hour, how much does he earn in a week?
- ⑦ Michelle lives 2.7 km from school. Last year she made 150 round-trips from her home to school and back, riding her bike. How far did she ride altogether?
- ⑧ Vincent bought a bicycle that weighed 29 lb. He also bought a rack that weighed 1.3 lb, a mirror that weighed 0.24 lb, and a lock that weighed 0.625 lb. How much did the bike weigh with these accessories attached to it?
- ⑨ In lowest gear on a 10-speed bike, each turn of the pedals makes the wheels turn 3.4 times. In highest gear, each turn of the pedals makes the wheels turn 1.8 times. With each turn of the wheels, the bike travels 6.5 feet. How much farther does the bike travel with each turn of the pedals in lowest gear than in highest gear?

Answers	
(P)	760 km
(A)	\$36.94
(E)	4.12 mph
(W)	859.2 mi
(D)	12.2 ft
(N)	810 km
(T)	30.985 lb
(H)	\$514.75
(O)	10.4 ft
(F)	\$37.34
(U)	\$1.95
(B)	4.28 mph
(R)	\$45.90
(I)	\$573.25
(S)	31.165 lb
(L)	863.2 mi
(Y)	\$2.35
(C)	\$48.60

W R H S D O F U N P B Y L O S I S C W R A N H T O W E R Y

ANSWER TO PUZZLE:

Permission is given to reproduce this page in classroom use in Middle School Math with Pizzazz (Book B) by © Wright Group, McGraw-Hill

How Can You Get Rid of VARNISH?

Use the information in the advertisement to find the total cost of each purchase. Write the letter of the exercise in the box containing the answer.

Fourth of July Party Supplies



plates
\$1.70 pack



party hats
32¢ each



fireworks
\$18 box



cups
\$1.49 pack



crepe paper
\$2.10 roll



balloons
\$1.25 pack



American flags
small \$2.95
medium \$6.00
large \$8.75



Liberty Bell
(poster board)
\$3.50

- | | |
|---|---|
| <p>(A) 2 packs of plates and a large American flag \$ _____</p> <p>(T) A Liberty Bell and 3 rolls of crepe paper \$ _____</p> <p>(E) 8 medium American flags and a box of fireworks \$ _____</p> <p>(A) 5 packs of plates and 5 packs of cups \$ _____</p> <p>(Y) 9 packs of balloons and 2 rolls of crepe paper \$ _____</p> <p>(E) 24 party hats \$ _____</p> | <p>(A) 4 boxes of fireworks and 10 Liberty Bells \$ _____</p> <p>(T) A pack of plates, a pack of cups, and 8 party hats \$ _____</p> <p>(H) 6 rolls of crepe paper and a medium American flag \$ _____</p> <p>(K) 20 packs of balloons and a box of fireworks \$ _____</p> <p>(R) A pack of cups and a dozen party hats \$ _____</p> <p>(W) 100 small American flags \$ _____</p> |
|---|---|

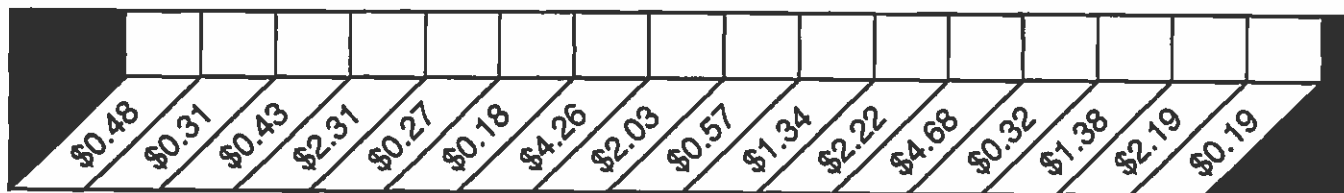
5.75	15.95	43	66	17	12.15	295	107	15.45	52	9.80	18.60	7.68	5.47	5.33
------	-------	----	----	----	-------	-----	-----	-------	----	------	-------	------	------	------

Why Did Bongo Quit Playing the Piano?

Weekday Long Distance Direct Dial Telephone Rates						
TO	8 A.M. to 5 P.M.		5 P.M. to 11 P.M.		11 P.M. to 8 A.M.	
	First minute	Each additional minute	First minute	Each additional minute	First minute	Each additional minute
Atlanta, GA	\$0.38	\$0.32	\$0.27	\$0.23	\$0.18	\$0.15
Detroit, MI	0.27	0.21	0.18	0.14	0.11	0.07
Kansas City, MO	0.40	0.33	0.26	0.22	0.17	0.13
Los Angeles, CA	0.51	0.42	0.36	0.30	0.23	0.19
Miami, FL	0.44	0.36	0.31	0.25	0.20	0.16
Richmond, VA	0.32	0.25	0.22	0.16	0.12	0.09

The table shows long distance rates from a city in New York. Use the table to solve each problem. Find your answer at the bottom of the page and write the letter of the problem above it.

- (A) What is the weekday rate for the first minute to Detroit at 9 A.M.?
- (E) What is the weekday rate for the first minute to Miami at 7:30 P.M.?
- (O) What is the weekday rate for each additional minute to Atlanta at 3 P.M.?
- (D) What is the weekday rate for each additional minute to Los Angeles at 11:30 P.M.?
- (E) How much does it cost to call Richmond for 2 minutes on a weekday at 10 A.M.?
- (H) How much does it cost to call Kansas City for 2 minutes on a weekday at 9:15 P.M.?
- (S) How much does it cost to call Detroit for 2 minutes on Tuesday at 6:40 A.M.?
- (Y) How much does it cost to call Atlanta for 4 minutes on Monday at 10:20 A.M.?
- (E) How much does it cost to call Los Angeles for 5 minutes on Friday at 2:45 P.M.?
- (W) How much does it cost to call Miami for 9 minutes on Wednesday at 6:10 P.M.?
- (B) How much does it cost to call Atlanta for 31 minutes on Thursday at 1:25 A.M.?
- (R) On Saturday the rate is the same all day. It is the same as the 11 P.M. to 8 A.M. weekday rate. How much does it cost to call Richmond for 15 minutes on Saturday?
- (K) How much more would a 10-minute weekday call to Kansas City cost at noon than at midnight?



Permission is given to reproduce this page for classroom use with Middle School Math with Pizzazz! (B under B). Copy © by J. McEwan.

What Do Archery Experts Do to Stay in Shape?

Weekday Long Distance Direct Dial Telephone Rates						
TO	8 A.M. to 5 P.M.		5 P.M. to 11 P.M.		11 P.M. to 8 A.M.	
	First minute	Each additional minute	First minute	Each additional minute	First minute	Each additional minute
Chicago, IL	\$0.44	\$0.37	\$0.31	\$0.26	\$0.19	\$0.16
Dallas, TX	0.41	0.34	0.29	0.24	0.18	0.15
Denver, CO	0.36	0.30	0.25	0.21	0.16	0.13
Honolulu, HI	0.62	0.53	0.43	0.37	0.27	0.23
Las Vegas, NV	0.29	0.24	0.20	0.17	0.13	0.11
New York, NY	0.48	0.40	0.34	0.28	0.21	0.18
Seattle, WA	0.35	0.29	0.24	0.20	0.15	0.12

The table shows long distance rates from a city in California. Use the table to solve each problem. Circle your answers in the answer column. When you finish, write the letters in order from the letter of the smallest correct answer to the letter of the largest correct answer.

- ① Joe Green made a 4-minute call to New York on Monday at 10 A.M. What was the charge for the call?
- ② Ms. Marek made a 7-minute call to Honolulu on Wednesday at 7 P.M. What was the charge for the call?
- ③ Dr. Ship called her sister in Seattle on Thursday at 2:30 P.M. The call was 15 minutes long. What was the charge for the call?
- ④ Robert called his father in Dallas at 11:20 P.M. on Tuesday. The call was 21 minutes long. How much did the call cost?
- ⑤ Mr. Brown called a friend in Chicago on Friday. The call began at 9:30 P.M. and ended at 9:43 P.M. How much did the call cost?
- ⑥ Mrs. Mitchell called her old math teacher in Las Vegas on Wednesday. The call began at 6:57 A.M. and ended at 7:16 A.M. What was the charge for the call?
- ⑦ Max made a 9-minute call to Denver on Monday at 4 P.M. How much would he have saved by waiting until 6 P.M. to make the call?
- ⑧ Zorna made a 51-minute call to her boyfriend in New York on Thursday at 9:35 P.M. How much would she have saved by waiting until after 11 P.M. to make the call?
- ⑨ On Saturday the rate is the same all day. It is the same as the 11 P.M. to 8 A.M. weekday rate. Find the cost of an 11-minute call to Honolulu on Saturday.

Answers	
(N)	\$1.96
(I)	\$3.43
(O)	\$2.57
(W)	\$2.65
(A)	\$0.83
(B)	\$3.18
(S)	\$0.78
(R)	\$1.68
(L)	\$2.74
(S)	\$5.13
(C)	\$4.41
(R)	\$2.11
(T)	\$5.42

Letter of smallest correct answer ⇒

--	--	--	--	--	--	--	--	--	--

← Letter of largest correct answer

Permission is given to instructors to reproduce this page for classroom use with Middle School Math with Pizzazz! (Binder B). Copyright © 1999