4-1

Homework

Name _____ Date _____

Solve.

1. 40 × 2	**2.** 400 × 2	**3.** 400 × 20	**4.** 4,000 × 2
5. 80 × 60	**6.** 800 × 60	**7.** 800 × 6	**8.** 80 × 600
9. 70 × 20	**10.** 900 × 40	**11.** 800 × 70	**12.** 6,000 × 7

Solve. *Show your work.*

13. A tortoise walks 27 miles in a year. At this rate, how many miles will this tortoise walk in 10 years?

_____

14. If the tortoise lives to be 100 years old, how many miles will it walk during its lifetime?

_____

15. Every month, Paolo earns $40 for walking his neighbor's dog after school. How much does he earn from this job in one year?

_____

16. There are 60 seconds in a minute and 60 minutes in an hour. How many seconds are there in an hour?

_____

17. An elephant eats about 2,500 pounds of food in 10 days. About how much food does an elephant eat in 1,000 days?

_____

4-2

Homework

Name _____ Date _____

Solve.

1. 60 × 40	**2.** 70 × 40	**3.** 700 × 60
4. 300 × 50	**5.** 40 × 50	**6.** 900 × 30
7. 400 × 80	**8.** 200 × 50	**9.** 300 × 200

The table shows the sizes of Farmer Reuben's fields. Use the table and a separate sheet of paper to help you answer each question.

Corn Field	400 feet by 60 feet
Wheat Field	700 feet by 200 feet
Barley Field	200 feet by 200 feet

10. What is the area of the corn field?

_____

11. What is the area of the wheat field?

_____

12. What is the area of the barley field?

_____

13. How many square feet of land did Farmer Reuben plant in all?

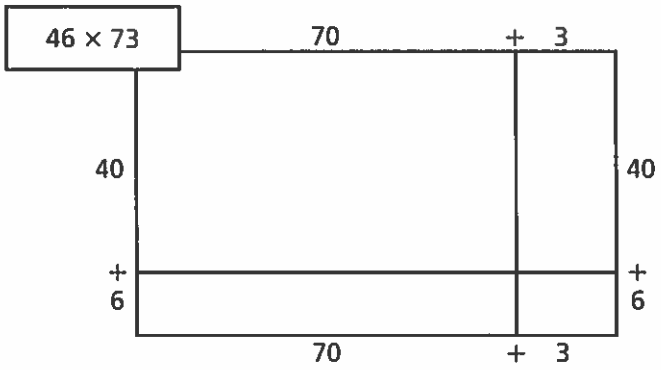
_____

4-3 Name Date

Homework

Solve the first problem with Place Value Sections.
Solve the other problems using any method you like.
Use a separate sheet of paper.

1.



2. 84 × 19

3. 67 × 53

4. 91 × 28

Solve. *Show your work.*

5. Kamini needs to know the area of her yard so that she can buy the right amount of grass seed. The yard is 26 feet by 19 feet. What is the area of Kamini's yard in square feet?

_____

6. A restaurant has 16 crates of juice. Each crate holds 12 gallons of juice. How many gallons of juice are there altogether?

_____

7. Mr. Jackson is taking 23 students to see a movie. Tickets for the movie cost 75 cents. How much money will Mr. Jackson spend on student tickets?

_____

8. There are usually 20 school days in a month. Grace has band practice for 60 minutes every day after school. How many minutes does she usually practice each month?

_____

4-4 Name _____ Date _____

Homework

Solve. Use any method.

1. $\begin{array}{r} 78 \\ \times\ 26 \\ \hline \end{array}$

2. $\begin{array}{r} 93 \\ \times\ 42 \\ \hline \end{array}$

3. $\begin{array}{r} 39 \\ \times\ 84 \\ \hline \end{array}$

4. $\begin{array}{r} 56 \\ \times\ 71 \\ \hline \end{array}$

The table shows how many newspapers are delivered each week by three paper carriers.
Use the table to answer the questions.
Use 1 year = 52 weeks.

Papers Delivered Each Week

Jameel	93
Clare	97
Mason	98

5. How many papers does Jameel deliver in a year? *Show your work.*

_____

6. How many papers does Clare deliver in a year?

_____

7. How could you find how many papers Mason delivers in a year without doing any multiplication? What is the answer?

_____

_____

_____

Solve.

8. Ray needs to know the area of his floor so he can buy the right amount of carpet. The floor is 21 feet by 17 feet. What is the area of the floor?

_____

9. Maria is buying flowers. Each tray of flowers costs $24. If she buys 15 trays, what will the total cost be?

_____

4-5 Name _____ Date _____

Homework

Multiply.

1. 397 × 9	**2.** 723 × 7	**3.** 4,188 × 3	**4.** 4,294 × 4
5. 67 × 82	**6.** 56 × 49	**7.** 36 × 29	**8.** 87 × 71
9. 28 × 27	**10.** 37 × 54	**11.** 63 × 91	**12.** 73 × 35
13. 46 × 83	**14.** 57 × 75	**15.** 94 × 47	**16.** 66 × 86

Solve.

17. Jamal is building a bed for his dog. The dimensions of the bed are 27 inches by 36 inches. What is the area of the bottom of the bed?

_____

18. Mr. Battle drives 9 miles to work every day. He works 5 days a week. How many miles does he travel to and from work over 52 weeks?

_____

4-6

Homework

Name _____ Date _____

Solve.

1. 0.9 × 7	**2.** 0.6 × 80	**3.** 0.04 × 9	**4.** 0.05 × 70	**5.** 0.16 × 7
6. 7.0 × 8	**7.** 0.09 × 30	**8.** 0.07 × 60	**9.** 0.17 × 81	**10.** 940 × 0.2
11. 3.43 × 7	**12.** 0.29 × 86	**13.** 0.15 × 196	**14.** 1.57 × 52	**15.** 2.03 × 121

Three runners started making a table for April to show how far they run every day, every week, and the entire month.

Show your work.

16. Finish the table for the runners.

Runner	Miles Per Day	Miles Per Week	Miles in April
Cedric	0.6	7 × 0.6 =	30 × 0.6 =
Shannon	2.4		
Regina	1.75		

17. Give the total miles in May for each runner below.

Cedric: _____ Shannon: _____ Regina: _____

4-7 Name _____ Date _____

Homework

Solve.

1. $0.3 \times 0.6 =$ _____
2. $0.4 \times 0.07 =$ _____
3. $0.03 \times 0.8 =$ _____
4. $5 \times 0.07 =$ _____
5. $0.02 \times 0.3 =$ _____
6. $0.05 \times 0.9 =$ _____

7. $\begin{array}{r} 1.8 \\ \times\ 6 \\ \hline \end{array}$
8. $\begin{array}{r} 0.23 \\ \times\ 40 \\ \hline \end{array}$
9. $\begin{array}{r} 0.14 \\ \times\ 0.9 \\ \hline \end{array}$
10. $\begin{array}{r} 0.36 \\ \times\ 0.8 \\ \hline \end{array}$

11. $\begin{array}{r} 1.4 \\ \times\ 0.5 \\ \hline \end{array}$
12. $\begin{array}{r} 0.32 \\ \times\ 51 \\ \hline \end{array}$
13. $\begin{array}{r} 0.6 \\ \times\ 0.14 \\ \hline \end{array}$
14. $\begin{array}{r} 2.6 \\ \times\ 0.9 \\ \hline \end{array}$

Solve using mental math.

15. $82 \times 0.01 =$ _____
16. $385 \times 0.1 =$ _____
17. $2{,}194 \times 0.01 =$ _____

Solve.

18. Simon sold bottles of water at the marathon on Saturday for $0.75 per bottle. He sold 43 bottles. How much money did he earn?

_____

19. Lauren has 9.9 meters of ribbon. She is cutting it into 100 equal pieces. That is the same as multiplying 9.9 by 0.01. How long will each piece of ribbon be?

_____

20. A furlong is a unit of measure used in horse racing. Every year, horses race 10 furlongs in the Kentucky Derby. One furlong is equal to 0.125 mile. How long is the Kentucky Derby in miles?

_____

4-8

Homework

Name _____ Date _____

Solve.

1. 4.2×8.1

2. 9.4×6.3

3. 0.78×4.7

4. 0.05×3.7

5. 0.3×1.52

6. 0.80×3.8

7. 7.1×4.5

8. 2.4×0.64

9. 0.06×5.7

10. 9.9×6.6

11. 8.1×5.7

12. 0.07×24.3

Complete. Name the property used.

13. $(4.3 \times 6.2) - (\_\_\_\_ \times 1.1) =$
$4.3 \times (6.2 - 1.1)$

_____

14. $8.9 \times (5.3 \times 3.4) =$
$(8.9 \times \_\_\_\_) \times 3.4$

_____

Solve.

15. Lester's car can go 15.4 miles on 1 gallon of gas. How far can he go on 0.7 gallon?

_____

16. Clara wants to cover the top of her jewelry box. The top of the box is a rectangle with a length of 9.4 cm and a width of 8.3 cm. What is the total area she wants to cover?

_____

4-9

Homework

Name _____ Date _____

Solve.

1. 4.8×100

2. 2.9×0.3

3. 0.56×20

4. 0.69×0.7

5. 2.6×3.4

6. 3.8×0.5

7. 1.5×4.9

8. 3.4×1.6

Complete the equations.

9. $0.7 \times 10^1 =$ _____
   $0.7 \times 10^2 =$ _____
   $0.7 \times 10^3 =$ _____

10. $0.98 \times 10^1 =$ _____
    $0.98 \times 10^2 =$ _____
    $0.98 \times 10^3 =$ _____

11. $5.63 \times 10^1 =$ _____
    $5.63 \times 10^2 =$ _____
    $5.63 \times 10^3 =$ _____

12. $3.7 \times 10^1 =$ _____
    $3.7 \times 10^2 =$ _____
    $3.7 \times$ _____ $= 3{,}700$

13. $2.04 \times 10^1 =$ _____
    $2.04 \times$ _____ $= 204$
    $2.04 \times 10^3 =$ _____

14. $0.42 \times$ _____ $= 4.2$
    $0.42 \times 10^2 =$ _____
    $0.42 \times 10^3 =$ _____

Solve. *Show your work.*

15. The Sunrise Café gets tea bags in boxes of 1,000. If the café charges $1.75 for each cup of tea, and each cup of tea gets one tea bag, how much money does the café receive if they use a whole box of 1,000 teabags?

_____

16. If a box of tea bags costs $95, how much money does the café actually make after they have used up the box of tea and have paid for it?

_____

4-10

Homework

Name _____ Date _____

Round to the nearesth tenth.

1. 0.38 _____ 2. 0.94 _____ 3. 0.621 _____ 4. 0.087 _____

Round to the nearest hundredth.

5. 0.285 _____ 6. 0.116 _____ 7. 0.709 _____ 8. 0.563 _____

Write an estimated answer for each problem.
Then find and write each exact answer.

	Estimated Answer	Exact Answer
9.	$38 \times 92 \approx$ _____ $\times$ _____ $\approx$ _____	$38 \times 92 =$ _____
10.	$8.1 \times 4.2 \approx$ _____ $\times$ _____ $\approx$ _____	$8.1 \times 4.2 =$ _____
11.	$7.65 \times 0.9 \approx$ _____ $\times$ _____ $\approx$ _____	$7.65 \times 0.9 =$ _____
12.	$3.8 \times 6.02 \approx$ _____ $\times$ _____ $\approx$ _____	$3.8 \times 6.02 =$ _____
13.	$1.02 \times 0.9 \approx$ _____ $\times$ _____ $\approx$ _____	$1.02 \times 0.9 =$ _____

Solve. *Show your work.*

14. A factory makes 394 motorcycles each week. If there are 52 weeks in a year, how many motorcycles will the factory make in a year?

    Estimate: _____

    Exact answer: _____

15. CDs are $15.25 each. How much will it cost to buy 3?

    Estimate: _____

    Exact answer: _____

4-11 Name _____ Date _____

Homework

Find each product.

1. 57×0.31

2. 0.29×74

3. 7.6×8.3

4. 0.35×94

5. 4.8×0.92

6. 6.5×0.81

7. 84×0.13

8. 0.9×0.04

Solve. Check that your answers are reasonable. *Show your work.*

9. Josefina is buying 10 pounds of salmon which costs $6.78 per pound. How much will the salmon cost?

_____

10. It is 9.2 miles between Mr. Rossi's place of work and his home. Because he comes home for lunch, he drives this distance 4 times a day. How far does Mr. Rossi drive each day?

_____

11. Mr. Rossi works 20 days a month. How far does he drive in a month?

_____

12. Gayle is saving to buy a bicycle. The bicycle costs $119.90. She has saved 0.7 of what she needs. How much has she saved so far?

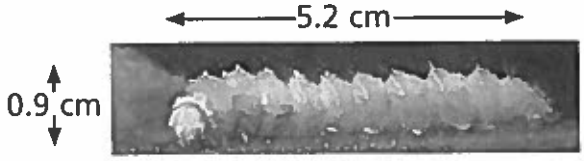
_____

4-12

Homework

Name _____ Date _____

The life cycle of a butterfly has four stages. One stage is a caterpillar



Using the length and height of the caterpillar shown, use the descriptions below to draw the adult butterfly that develops from the caterpillar. Remember, a tenth of a centimeter is a millimeter.

- The length of your butterfly should be 3.6 times the height of the caterpillar.
- The wingspan of your butterfly should be 1.75 times the length of the caterpillar.