

Ms. Emamari

Ms. Mary Ann

Room 9

6th Grade

Due: Thursday

Dec. 6th

Spelling List

Sixth Grade

throng

bewilder

haughty

audacious

expedition

reverence

plunder

scarce

outlandish

defray

purloin

replenish

solemn

palpitate

wretched

6th Grade Language
Worksheets to be sent
home.

Explore Multiplication and Division With Decimals

Find each product or quotient. Use decimal models.

1. 0.2×0.3

2. $0.18 \div 0.6$

3. 0.1×0.9

4. $0.81 \div 0.9$

5. 0.4×0.3

6. $0.18 \div 0.9$

7. 0.5×0.8

8. $0.49 \div 0.7$

9. 0.6×0.8

10. $0.54 \div 0.9$

11. $0.64 \div 0.8$

12. 0.9×0.7

13. $0.15 \div 0.3$

14. 0.3×0.7

15. $0.42 \div 0.7$

16. $0.56 \div 0.7$

17. 0.6×0.7

18. $0.28 \div 0.4$

Multiply Decimals

Find each product. Estimate first.

1. 3.1×12 _____ 2. 4.61×1.03 _____ 3. 9.76×0.45 _____

4. 12.6×15.3 _____ 5. 10.8×46 _____ 6. 0.03×150 _____

7. 15×1.07 _____ 8. 0.85×253 _____ 9. 351.6×4.7 _____

Place the decimal point in the product to make each equation true. Use estimation to help you.

10. $15.3 \times 8 = 1224$ 11. $9.4 \times 6 = 564$ 12. $15.24 \times 3 = 4572$

Use number sense to tell whether each statement is *true* or *false*.

13. The product of 5 and 4.2 is less than 25. 14. The product of 15 and 1.8 is greater than 30.

Algebra • Equations Find n for each equation. Use mental math.

15. $0.196 \times 1,000 = n$ 16. $0.0027 \times n = 0.27$ 17. $n \times 100 = 27.96$



Test Prep

18. Josh bought 2.3 pounds of asparagus. If each pound costs \$1.98, how much will he pay for the asparagus?

A \$4.53 C \$45.54

B \$4.55 D N H

19. Explain why the following statement is *true* or *false*.

The product of 8 and 0.67 is greater than 8.

6/11

Mental Math: Multiply and Divide by Powers of Ten

Use patterns to help you find each product or quotient.

1. $4.5675 \times 10^1 = 45.675$

$4.5675 \times 10^2 =$ _____

$4.5675 \times 10^3 =$ _____

2. $52 \times 10^0 \times 1 = 52$

$52 \times 10^{-1} \times 0.1 =$ _____

$52 \times 10^{-2} \times 0.01 =$ _____

3. $2.398 \div 10^1 = 0.2398$

$2.398 \div 10^2 =$ _____

$2.398 \div 10^3 =$ _____

Find each product or quotient, using mental math.

4. $2,400 \div 10^3$ _____

5. 12.3×10^4 _____

6. $809,200 \div 10^3$ _____

7. 1.3×10^{-1} _____

8. 42.608×10^4 _____

9. $180 \div 10^1$ _____

10. $280,000 \div 10^4$ _____

11. 0.023×10^4 _____

12. $95,000 \div 10^2$ _____

13. 2.6×10^{-1} _____

14. $950,000 \div 10^5$ _____

15. 0.064×10^2 _____

Algebra • Functions Complete each table by following the rule.

16. Rule: Multiply by 10^1

Input	Output
28	
	30.6
0.02	

17. Rule: Divide by 10^4

Input	Output
86	
	8.62
3,624	

Test Prep

18. Multiplying 1.08 by which of the following will result in 108?

A 10^{-2}

C 20

B 10

D 10^2

19. Walt thought that multiplying a decimal by 10^{-2} was the same as multiplying by 10^2 . Explain the difference to Walt.

CSH

Perimeter and Area of Rectangles and Squares

Find the perimeter and the area of each rectangle.

1. $l = 8$ yd
 $w = 10$ yd

2. $l = 15.6$ m
 $w = 12.7$ m

3. $l = 14$ in.
 $w = 14$ in.

4. $l = 18.5$ cm
 $w = 22.6$ cm

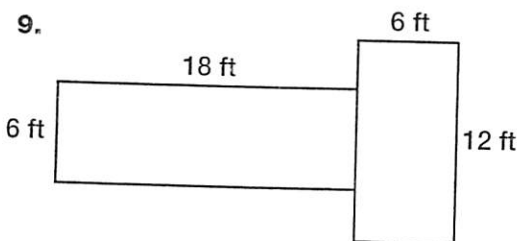
5. $l = 150$ ft
 $w = 240$ ft

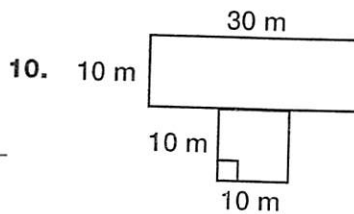
6. $l = 8$ km
 $w = 12.4$ km

7. $l = 18.5$ m
 $w = 25.7$ m

8. $l = 3\frac{1}{2}$ ft
 $w = 4\frac{1}{3}$ ft

Find the perimeter and area of each figure.





1 ft² = 144 in.²
1 yd² = 9 ft²

Use the table on the right for Exercises 11–14.

11. 35 ft² = _____ in.²

12. 12 yd² = _____ ft²

13. _____ ft² = 720 in.²

14. 25 yd² = _____ ft²

Test Prep

15. What is the perimeter of a rectangle with a length of 14 meters and a width of 16 meters?

A 30 m

C 224 m

B 60 m

D Not here

16. A garden measures 14 feet \times 20 feet. Fence is to be placed on all sides but one of the shorter sides. How much fence is needed?
