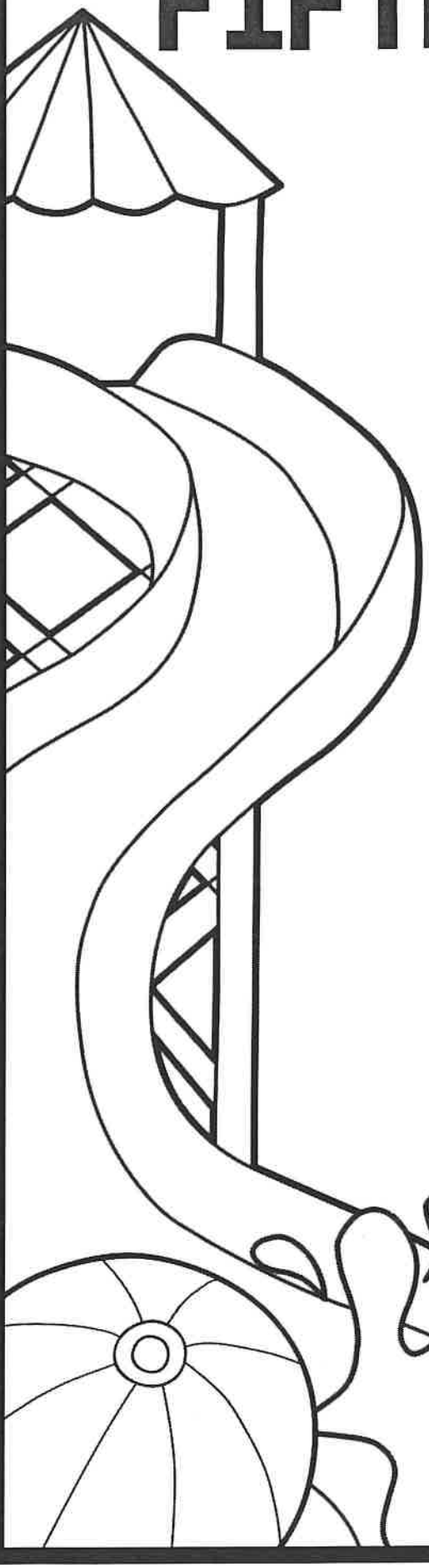
FIFTH GRADE



MATH SUMMER REVIEW

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Days 1-5

Day	IXL skills
Day 1	Multiply by 2-digit numbers: complete the missing steps 9LX
Day 2	Write numerical expressions for word problems NF5
Day 3	Relationship between decimal place values DVM
Day 4	Multi-step word problems: multiplicative comparison V59
Day 5	Add and subtract fractions with unlike denominators: word problems TCD

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Days 6-10

Day	IXL skills
Day 6	Estimate quotients: 2-digit divisors EFW
Day 7	Compare, order, and round decimals: word problems 2MV
Day 8	Multiply two fractions: word problems 38Y
Day 9	Complete the division sentence: 2-digit divisors HMZ
Day 10	Add and subtract money: multi-step word problems MCG

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Days 11-15

Day	IXL skills
Day 11	Divide unit fractions and whole numbers SPB
Day 12	Interpret line plots 79C
Day 13	Volume of rectangular prisms made of unit cubes: word problems QMA
Day 14	Add, subtract, multiply, and divide fractions and mixed numbers: word problems APD
Day 15	Divide by decimals without adding zeros RTS

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Days 16-20

Day	IXL skills
Day 16	Identify mistakes involving the order of operations JLJ
Day 17	Interpret bar graphs: multi-step problems DGY
Day 18	Add, subtract, multiply, and divide decimals: word problems 7SX
Day 19	Area of rectangles with fractions and mixed numbers PMV
Day 20	Graph points on a coordinate plane AST

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Numbers & Operations in Base 10

5.NBT.1

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FIND THE VALUE

1 In the number

1,097,651

which digit is in the thousands place?

A. 9
B. 5
C. 7
D. 1

2 In the number

107.6532

which digit is in the hundredths place?

A. 5
B. 6
C. 3
D. 1

3 Which number is equivalent to

$\frac{6}{10}$

A. .060
B. .600
C. 6.0
D. 0.006

4 Which number represents

12 and $\frac{9}{100}$

A. 1.29
B. 120.09
C. 129.0
D. 12.09

5 In the number

73,962,150

what is the value of the digit 7?

A. 70 thousand
B. 7 million
C. 70 million
D. 700 thousand

6 What is the value of the digit 8 in the number

675.082

A. 8 hundredths
B. 8 hundred
C. 8 thousandths
D. 8 tenths

7 Which number is one thousandth less than

4,651.325

A. 3,651.325
B. 4,651.225
C. 4,551.325
D. 4,651.324

8 Which of the following numbers is greater than

5.605

A. 5.613
B. .5608
C. 5.508
D. .5606

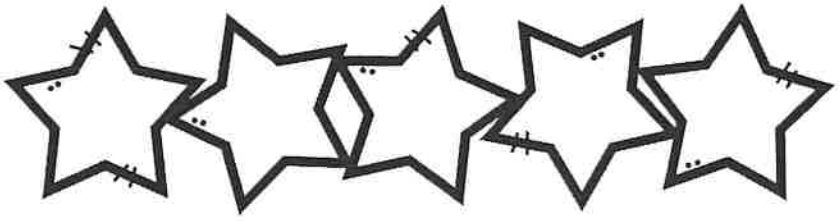
9 Which of the following numbers is less than

7.65

A. 7.650
B. 76.4
C. 7.56
D. 7.70

10 Which statement is true?

A. 7.5 = 75
B. 75 = .750
C. 7.5 = 7.500
D. .75 = 75.00



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MULTIPLYING Whole Numbers

1. Mr. Perino plants 15 rows of tomato plants. If there are 32 tomato plants in each row, how many plants will he have altogether?

_____

2. Laura baked 8 pans of brownies. Two of the pans held 15 brownies each and six of the pans held 18 brownies each. How many brownies did Laura bake in all?

_____

3. A store sells 108 different colors of yarn. They have 22 rolls of each color in stock. How many rolls of yarn does the store have in stock?

_____

4. Solve the following problem.

$$\begin{array}{r} 398 \\ \times\ 102 \\ \hline \end{array}$$

5. Solve the following problem.

$$\begin{array}{r} 448 \\ \times\ 36 \\ \hline \end{array}$$

6. Solve the following problem.

$$\begin{array}{r} 140 \\ \times\ 286 \\ \hline \end{array}$$

7. 323 x 28 _____

8. 645 x 92 _____

9. 282 x 77 _____

10. 297 x 661 _____

11. 698 x 231 _____

12. 901 x 257 _____

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DIVIDING Whole Numbers

1. Kasey picked 540 blueberries to sell at the Farmer's Market. She sorts her blueberries evenly into 9 small baskets. How many blueberries will she put in each basket?

_____

2. The fifth grade class took a field trip to a local theater. There were 168 students. The theater had 14 seats in each row. How many rows did they use?

_____

3. Mrs. Smith is putting 100 apples into crates. Each crate will hold 12 apples. How many apples will be left over after filling each crate?

_____

4. Find the missing divisor.

264 ÷ _____ = 12

5. Which of the following statements is true?

A. 34 ÷ 0 = 34
B. 34 ÷ 0 = 1
C. 34 ÷ 0 = 0
D. 34 ÷ 0 cannot be solved

6. What is the quotient?

7,560 ÷ 15 = _____

7. What is 890,000 divided by 100?

A. 890
B. 89,000
C. 89.0
D. 8,900

8. Solve the division problem..

$6\overline{)1812}$

9. Mrs. Crenshaw's class sold 442 tickets to a spaghetti dinner fundraiser. Each student sold the same number of tickets. If there are 26 students in the class, how many tickets did each student sell?

_____

10. 372 x 34 = 12,648 is the opposite of...

12,648 ÷ _____ = _____

11. Westmore School has 576 students. The school buses hold 48 students. Every student rides a bus to and from school. How many buses do they need?

_____

12. Which of the following statements is true?

A. 25 ÷ 1 = 0
B. 25 ÷ 1 = 1
C. 25 ÷ 1 = 25
D. 25 ÷ 1 cannot be solved

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MORE WORK WITH DECIMALS

1. Find the difference.

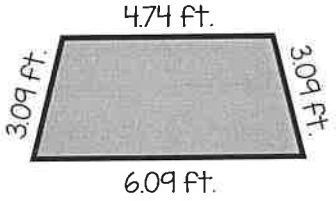
74.26 - 64.1 =

_____

2. At a swim meet, three members of the swim team raced across the pool. Their times were 10.08 seconds, 9.57 seconds, and 9.89 seconds. What was the total of their three times?

_____

3. Find the perimeter of the trapezoid.



_____

4. Beginning with the number 3.675 add: 1 hundredths, 2 ones, and 3 tenths. What is the result?

A. 5.995
B. 5.985
C. 6.985
D. 6.895

5. Find the difference.

6.94 - 3.69 =

_____

6. A small pack of gum costs $.0.98. How could you find the cost of 6 packs?
(Circle all correct answers)

Add $0.98 six times

Subtract $0.98 - 6

Multiply $0.98 by six

Divide $0.98 by six

7. Find the product.

0.75 x 2.5 =

_____

8. The temperature in Ben's house was 72.0 degrees Fahrenheit. The temperature in Ben's car on a hot summer day was 102.2 degrees. How much hotter was Ben's car than his house?

_____

9. Find the quotient.

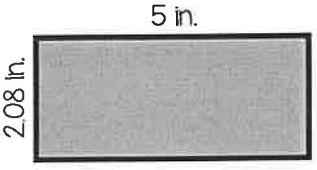
0.51 ÷ 3 =

_____

10. A recipe for brownies requires 1.75 cups of milk, 0.25 cups of oil, and 0.75 cups of water. How much liquid does the brownie recipe require?

_____

11. Find the area of the rectangle.



_____

12. Beginning with the number 85.720 add: 2 hundredths, 1 tenth, and 3 ones. What is the result?

A. 87.823
B. 86.923
C. 88.840
D. 87.930

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Order of OPERATIONS

1. Choose the correct order of operations.

   A. multiply & divide from right to left
   B. divide & multiply from right to left
   C. multiply & divide from left to right

2. Choose the correct order of operations.

   A. add & subtract from left to right
   B. subtract & add from right to left
   C. add & subtract from right to left

3. What is the first step in the order of operations?

   A. division and multiplication
   B. parentheses and brackets
   C. addition and subtraction

4. What is the last step in the order of operations?

   A. addition and subtraction
   B. division and multiplication
   C. parentheses and brackets

5. What is the first step in solving the expression below?

   $18 \div (6 - 2) + 4$

   A. $18 \div 6$
   B. $6 - 2$
   C. $18 + 4$

6. What is the last step in solving the expression below?

   $3 \times [(4 \times 5) - 5]$

   A. $9 - 5$
   B. 4×5
   C. 3×15

7. Solve the expression.

   $7 \div (5 + 2) =$ _____

8. Solve the expression.

   $24 - (3 \times 2) \div 2 =$ _____

9. Solve the expression.

   $[(50 \times 2) - 10] \div 5 =$ _____

10. Solve the expression.

    $9 \times (8 - 6) \div 2 =$ _____

11. Solve the expression.

    $(42 + 7) - (4 + 5) \times 4 =$ _____

12. Solve the expression.

    $(57 - 25) \div 2 + 16 \times 2 =$ _____

13. Solve the expression.

    $6 \times [(34 - 26) + 3] =$ _____

14. Solve the expression.

    $[(14 + 7) + (66 \div 6)] \div 4 =$ _____

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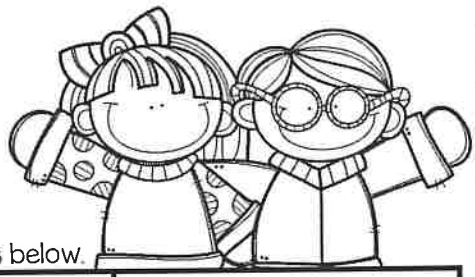
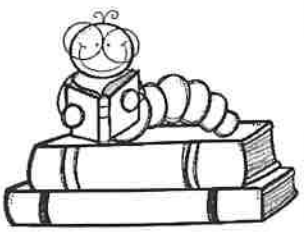
NUMERICAL Expressions



Directions: Match the numerical expressions with the verbal expressions below.

1. 3 times the sum of 27 and 9 a) 3 + (27 + 9) b) 3 x (27 + 9) c) 27 + (3 x 9)	2. 6 times the difference between 71 and 41 a) (71 - 41) x 6 b) 6 x (71 + 41) c) 71 - 41 x 6	3. Triple the sum of 36 and 15 a) 36 + (3 x 15) b) 3 + (36 x 15) c) 3 x (36 + 15)	4. Seven less than the product of 9 and 9. a) 9 x 9 - 7 b) (7 - 9) x 9 c) 9 + (7 x 9)
5. 8 x (48 + 20) a) 8 times 48 plus 20 b) sum of 48 and 20 c) 8 times the sum of 48 and 20	6. (12 - 6) x 2 a) double the difference of 12 and 6 b) product of 6 and 2 c) 2 times the sum of 12 and 6	7. 4 + (64 ÷ 8) a) quotient of 64 and 8 plus 4 b) the sum of 4, 64, and 8 c) 4 times the sum of 64 and 8	8. (45 ÷ 5) x 2 a) double the quotient of 45 and 5 b) 2 times the sum of 45 and 5 c) the quotient of 45 and 5 minus 2
9. 12 x 60 a) (10 x 60) - (2 x 60) b) (10 x 60) + (2 x 60) c) (10 x 60) x (2 x 60)	10. 59 X 16 a) (60 - 1) X 16 b) 60 X (6 X 10) c) (60 X 16) - (1 X 16)	11. 22 X 30 a) (20 X 30) + (2 x 30) b) (20 + 30) x (2 + 30) c) (20 + 30) x (2 + 30)	12. 93 x 12 a) (90 x 12) + (3 x 12) b) 12 x (90 x 3) c) (90 = 3) x 12
13. Choose the correct sign. (5 + 5) x 12 ____ 5 + 5 x 12 a) < b) > c) =		14. Choose the correct sign. 83 x 15 ____ (80 x 15) + (2 x 15) a) < b) > c) =	
15. Kayla has 18 bottles of bubbles. She wants to give 2 bottles to each of her 6 friends. How many bottles will she have left over? Which expression solves the problem? a) (18 ÷ 2) ÷ 6 b) (18 ÷ 2) + 6 c) (18 x 2) - 6 d) (18 x 2) + 6		16. The library has 12 books on 4 shelves. Jesse takes away 3 books from two shelves. How many books are left? Which expression solves the problem? a) (12 x 4) - (3 x 2) b) (12 x 2) - (3 x 4) c) (12 x 3) - (4 x 2) d) (12 x 4) + (3 x 2)	

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Add & Subtract FRACTIONS

Read the directions in each box below. Write all answers in simplest form.

1. To add the fractions $\frac{5}{12}$ and $\frac{3}{4}$, what must first be done?

a) change the fractions to improper fractions
b) reduce the fractions to the lowest terms
c) find a common denominator
d) make the numerators the same

2. Find the sum.

$\frac{1}{2} + \frac{1}{4} =$

_____

3. Find the difference.

$\frac{2}{3} - \frac{1}{9} =$

_____

4. Find the sum.

$2\frac{1}{8} + 6\frac{1}{2} =$

_____

5. Find the difference.

$5\frac{2}{4} - 2\frac{1}{3} =$

_____

6. Find the sum.

$\frac{3}{4} + 1\frac{7}{12} =$

_____

7. Find the difference.

$3\frac{4}{10} - \frac{2}{5} =$

_____

8. Find the sum of three sixths and nine twelves.

_____

9. Find the difference of six eighths and three fourths.

_____

10. Find the sum of five and five eights plus one and one fourth.

_____

11. Find the difference of three and two eights minus two and one forth.

_____

12. Find the missing fraction.

$4\frac{1}{4} + ____ = 7\frac{1}{2}$

13. Find the missing fraction.

$6\frac{3}{4} - ____ = 2\frac{1}{4}$

14. Find the missing fraction.

$____ + 8\frac{1}{2} = 10\frac{3}{8}$

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MULTIPLYING FRACTIONS

Simplify all answers if possible.

1. Multiply	2. Multiply	3. Multiply	4. Multiply
$\frac{4}{5} \times \frac{2}{4} =$	$5\frac{3}{4} \times \frac{1}{3} =$	$\frac{5}{6} \times 7 =$	$\frac{2}{3} \times 18 =$

5. Mr. Farmer needs $\frac{5}{5}$ of a box of nails to build one door for his horse stables. He needs to build 7 doors. How many boxes of nails will he use?

_____

6. Marcy bought 8 boxes of pencils. Each box contained 10 pencils. $\frac{4}{5}$ of the pencils were red. How many red pencils were in the boxes?

_____

7. Ricky earns $\frac{2}{3}$ of a dollar for every candy bar he sells. If he sells 30 candy bars, how much will he earn?

_____

8. Callie uses $\frac{2}{4}$ of a tsp. of sugar for each cup of punch she makes. If she makes 10 cups of punch for a party, how many teaspoons of sugar will she need?

_____

9. The Eiffel Tower in Paris, France is 1,063 feet tall. If you took an elevator $\frac{3}{4}$ the way up the tower, how far from the ground would you be in feet?

_____

10. Evan and his family order 5 cups of soup at a restaurant. The cook used $\frac{1}{4}$ cup of milk for each bowl. How many cups of milk did the cook use to make all 5 bowls of soup?

_____

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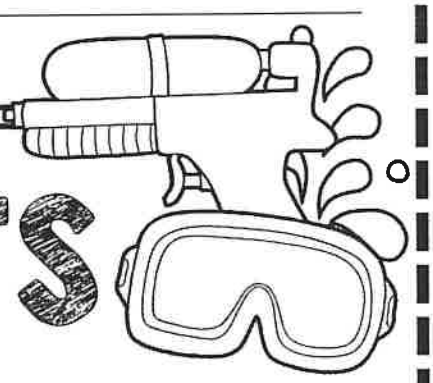
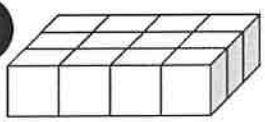
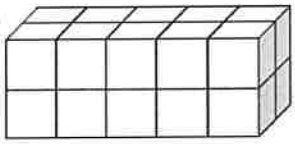
Counting CUBIC UNITS



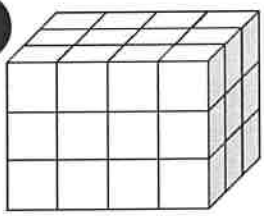
Volume tells the number of cubic units within a solid figure. Each cube represents one cubic unit. To find volume, count the number of cubes within the figure.

1. 

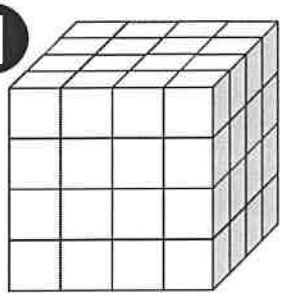
V = _____ cubic units

2. 

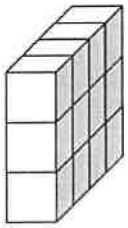
V = _____ cubic units

3. 

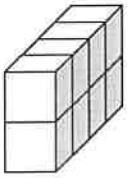
V = _____ cubic units

4. 

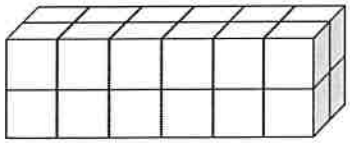
V = _____ cubic units

5. 

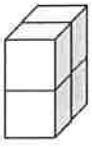
V = _____ cubic units

6. 

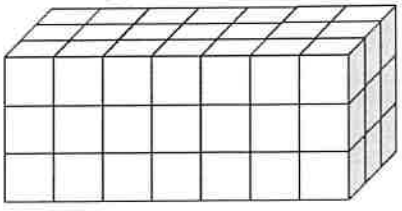
V = _____ cubic units

7. 

V = _____ cubic units

8. 

V = _____ cubic units

9. 

V = _____ cubic units

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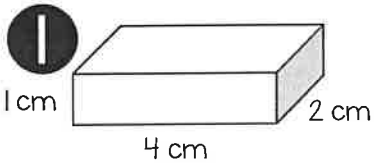
VOLUME Problem Solving

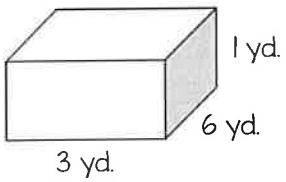
Volume tells the number of cubic units within a solid figure. To find the volume of a rectangular prism, multiply the length by the width by the height (V = l x w x h).

1



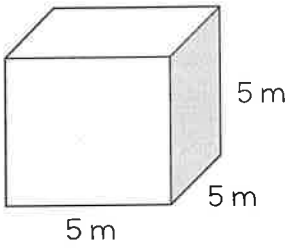
V = _____ cm^3

2



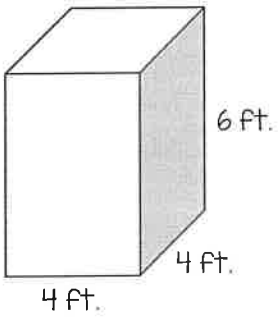
V = _____ $yd.^3$

3



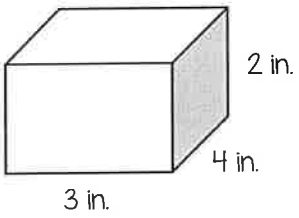
V = _____ m^3

4



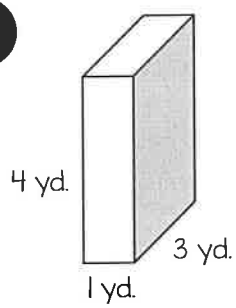
V = _____ $ft.^3$

5



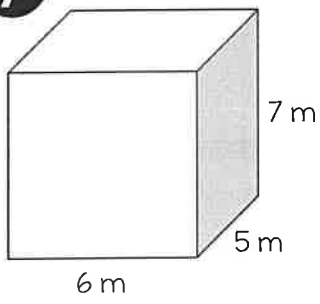
V = _____ $in.^3$

6



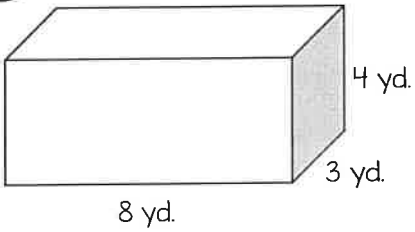
V = _____ $yd.^3$

7



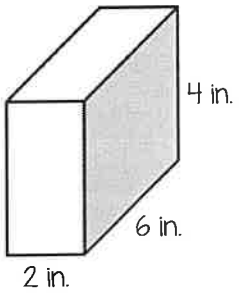
V = _____ m^3

8



V = _____ $yd.^3$

9



V = _____ $in.^3$

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