

Please complete the problems and write a sentence for your answer. This work will be collected on the first day of school. You may do your work on graph paper if you prefer.

Choose One

A piano solo on a CD is 5.33 minutes long. A guitar solo is 9.67 minutes long. How much longer is the guitar solo than the piano solo?

The average length of a humpback whale is 13.7 meters. The average length of a killer whale is 6.85 meters. How much longer is the humpback whale than the killer whale?

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Choose One

A soccer team is having a pool party and admission to the pool is \$2.50 per child and \$3.50 per adult. If there are 14 children on the team and 8 adult chaperones, how much will it cost for everyone to attend the pool party?

Ben is filling 4.5 ounce bottles with lavender bubble bath that he made as gifts for his friends. He was able to 7.5 bottles. How many ounces of bubble bath did he make?

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Choose One

Greg is buying new school clothes. The items he wants to buy add up to \$132.50 before sales tax. Sales tax is calculated by multiplying the total amount by 0.06. What is the amount of sales tax for his items? What is the total cost of his bill?

Raymond makes \$8.50 an hour washing dishes at a local restaurant. His paycheck says that he worked 20.88 hours last week, how much will his paycheck be for?

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Choose One

11. Kati drives a car that holds 20.75 gallons of gas and gets an average of 15.5 miles per gallon. How many miles can she expect to go on a full tank of gas?

12. Joey, Megan, Ben, and TK are splitting their dinner bill. After the tip, the total is \$30.08. How much does each owe if they split the bill for ways?

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Do ALL

1. There are 25 servings in a 12.5 ounce bottle of olive oil. How many ounces are in one serving?

2. Kevin spends \$1089.72 each month on rent and supplies to run his barber shop. If he charges \$18 per haircut, how many haircuts must Kevin do to cover his monthly expenses? Round to the nearest whole number (he can't do a fraction of a haircut!).

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Choose One

The planet Venus is 67.24 million miles away from the Sun. Write the decimal as a mixed number in simplest form.

Nate's travel shampoo bottle holds half of a cup of shampoo. Before leaving to go to Disney World, he filled the bottle to the top by adding with one eighth of a cup of shampoo. How much shampoo was already in the bottle?

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Choose One

Bill and Andy were racing to see who could run the farthest in five minutes. Bill ran five eighths of a mile and Andy ran three fourths of a mile. Who ran farther? How much farther did that person run?

The Danes family is taking a road trip. First they will drive 9 hours and 53 minutes to camp in the Red Rock Canyons. Then they will drive 8 hours and 21 minutes to ski near Salt Lake City. What will be their total driving time?

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Do All

Patrick started doing his homework at 10:35 A.M. and stopped at 1:17 P.M. for lunch. What was his total time spent on homework?

Jenny is flying from San Francisco, California to Hartford Connecticut, with a layover in New York. His flight from California to New York will take 5 hours and 22 minutes; His flight from New York to Connecticut will take 53 minutes. What is Jenny's total flying time?

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Choose One

The area of a sculpture garden is one hundred feet squared. Give five examples of possible perimeters of the garden.

Mr. Stevenson divides his money equally among four separate banks. If he has \$98.65 in each bank, what is his total savings?

Please complete the problems and write a sentence for your answer. This work will be collected on the first day of school. You may do your work on graph paper if you prefer.

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Choose One

The Great Pyramid at Giza has a square base. One side of the base measures 250 yards. What is the perimeter of the base? What is the area?

Jean wants to add a 5 foot patio around her pool. Her pool measures 20 feet by 15 feet. What is the area of the pool and the patio? What is the area of just the patio (subtract the pool!)?

Please complete the problems and write a sentence for your answer. This work will be collected on the first day of school. You may do your work on graph paper if you prefer.

Do All

29. Mrs. Odur buys two bottles of perfume; one contains 48.5 mL and the other contains 150.5 mL. How much more perfume is in the larger of the two bottles?

30. Eight tiles, each 15.75 cm wide, fit exactly across the width of the bathroom wall. How wide is the bathroom wall?

Please complete the problems and write a sentence for your answer. This work will be collected on the first day of school. You may do your work on graph paper if you prefer.

Choose One

1. Jaclyn and Caitlin shared the cost of lunch equally. Their lunch cost \$6.70. How much money does Jaclyn have left if she had \$15.35 at first?

2. The usual price of a kiwi is \$0.60. At a sale, a packet of four kiwis is sold for \$2.20. How much cheaper is one kiwi at the sale?

Please complete the problems and write a sentence for your answer. This work will be collected on the first day of school. You may do your work on graph paper if you prefer.

Choose One

1. Sophie buys her mother a bunch of flowers for \$12.95 and her brother some candy for \$2.76. If she has \$7.83 left, how much did she start with?

2. Dustin mailed four packages. One of them weighed 1.8 kg. The three others weighed 2.05 kg each. Find the total weight of the four packages.

Please complete the problems and write a sentence for your answer. This work will be collected on the first day of school. You may do your work on graph paper if you prefer.

37. A gas station says one gallon of gas is three dollars and ninety-eight and nine-tenths cents. If you put thirteen and eight-tenths gallons of gas in your car, how much will your bill be at the gas station?

hint: one gallon = \$3.989

2-2

Word Problem Practice * Choose to do evens or odds *
Bar Graphs and Line Graphs

TREES For Exercises 1, 3, and 4, use Table A. For Exercises 2, 5, and 6, use Table B.

Table A

Average Heights of Pine Trees	
Tree	Height (ft)
Eastern White	75
Lodgepole	48
Longleaf	110
Pitch	55
Ponderosa	140

Table B

Lemons Produced by My Tree	
Year	Number of Lemons
2004	26
2005	124
2006	122
2007	78
2008	55

- | | |
|--|--|
| <p>1. You and Jorge are writing a report on different kinds of pine trees. <u>Make a bar graph</u> for the report that shows the average heights of different kinds of pine trees. Use the data from Table A.</p> <p><i>* On graph paper please!</i></p> | <p>2. Table B shows the number of lemons your tree produced each year. <u>Make a line graph</u> for the data in Table B.</p> <p><i>* on graph paper please</i></p> |
| <p>3. Use your graph for Exercise 1. Which tree is about half as tall as a ponderosa?</p> | <p>4. How does the average height of a pitch pine compare to the average height of a lodgepole pine?</p> |
| <p>5. Use the line graph you made in Exercise 2. Describe the change in fruit production for your lemon tree.</p> | <p>6. FRUIT Suppose you want to make a graph of the total number of lemons produced by your lemon tree and the total number of oranges produced by your orange tree in one year. Would you make a bar graph or a line graph? Explain.</p> |

4-DIGIT BY 1-DIGIT MULTIPLICATION

	Multiply 9 ones by 2. Regroup.	Multiply 2 tens by 2. Remember to add the 1.	Multiply 1 hundred by 2.	Multiply 5 thousands by 2.
	$\begin{array}{r} 5,129 \\ \times \quad 2 \\ \hline \end{array}$	$\begin{array}{r} 5,129 \\ \times \quad 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 5,129 \\ \times \quad 2 \\ \hline 258 \end{array}$	$\begin{array}{r} 5,129 \\ \times \quad 2 \\ \hline 10,258 \end{array}$

Solve each problem.

Please solve at least 10 problems of your choice.

A. $\begin{array}{r} 2,000 \\ \times \quad 3 \\ \hline \end{array}$ $\begin{array}{r} 3,000 \\ \times \quad 3 \\ \hline \end{array}$ $\begin{array}{r} 2,110 \\ \times \quad 4 \\ \hline \end{array}$ $\begin{array}{r} 3,021 \\ \times \quad 2 \\ \hline \end{array}$ $\begin{array}{r} 4,210 \\ \times \quad 3 \\ \hline \end{array}$

B. $\begin{array}{r} 3,145 \\ \times \quad 2 \\ \hline \end{array}$ $\begin{array}{r} 2,041 \\ \times \quad 4 \\ \hline \end{array}$ $\begin{array}{r} 5,120 \\ \times \quad 6 \\ \hline \end{array}$ $\begin{array}{r} 6,814 \\ \times \quad 2 \\ \hline \end{array}$ $\begin{array}{r} 8,521 \\ \times \quad 3 \\ \hline \end{array}$

C. $\begin{array}{r} 6,271 \\ \times \quad 4 \\ \hline \end{array}$ $\begin{array}{r} 8,432 \\ \times \quad 7 \\ \hline \end{array}$ $\begin{array}{r} 5,179 \\ \times \quad 2 \\ \hline \end{array}$ $\begin{array}{r} 9,034 \\ \times \quad 5 \\ \hline \end{array}$ $\begin{array}{r} 3,679 \\ \times \quad 4 \\ \hline \end{array}$

D. $\begin{array}{r} 3,241 \\ \times \quad 3 \\ \hline \end{array}$ $\begin{array}{r} 2,324 \\ \times \quad 6 \\ \hline \end{array}$ $\begin{array}{r} 8,971 \\ \times \quad 4 \\ \hline \end{array}$ $\begin{array}{r} 4,809 \\ \times \quad 2 \\ \hline \end{array}$ $\begin{array}{r} 9,834 \\ \times \quad 7 \\ \hline \end{array}$

2-DIGIT BY 1-DIGIT DIVISION WITHOUT REMAINDERS

$$\begin{array}{r}
 16 \\
 2 \overline{)32} \\
 \underline{-2} \quad \leftarrow 2 \times 1 = 2 \\
 12 \\
 \underline{-12} \quad \leftarrow 2 \times 6 = 12 \\
 0
 \end{array}$$

Subtract 2 from 3. Bring down the 2.

Subtract 12 from 12.

Solve each problem.

Please solve at least 10 problems of your choice.

A. $3 \overline{)42}$

$2 \overline{)26}$

$4 \overline{)84}$

$7 \overline{)91}$

$5 \overline{)65}$

$2 \overline{)44}$

$4 \overline{)92}$

$3 \overline{)39}$

$4 \overline{)56}$

$4 \overline{)52}$

C. $6 \overline{)70}$

$6 \overline{)84}$

$2 \overline{)32}$

$3 \overline{)45}$

$7 \overline{)98}$

D. $4 \overline{)60}$

$3 \overline{)72}$

$6 \overline{)78}$

$4 \overline{)96}$

$5 \overline{)75}$

E. $6 \overline{)84}$

$5 \overline{)95}$

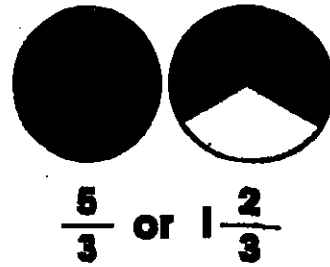
$3 \overline{)45}$

$4 \overline{)64}$

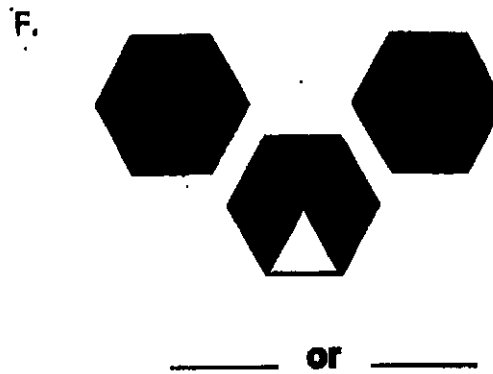
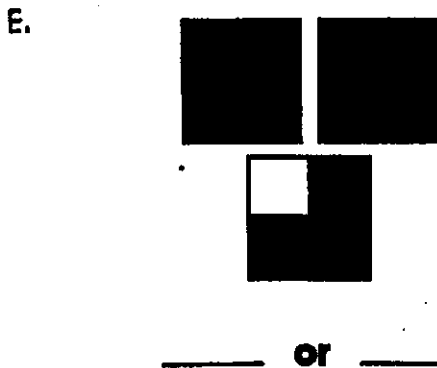
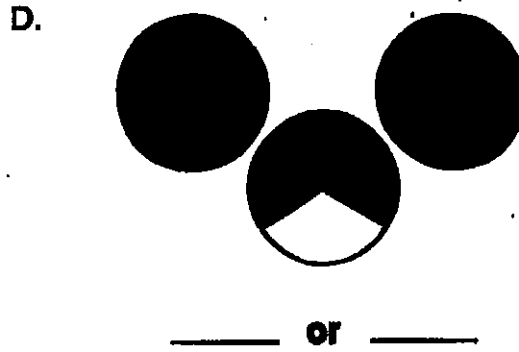
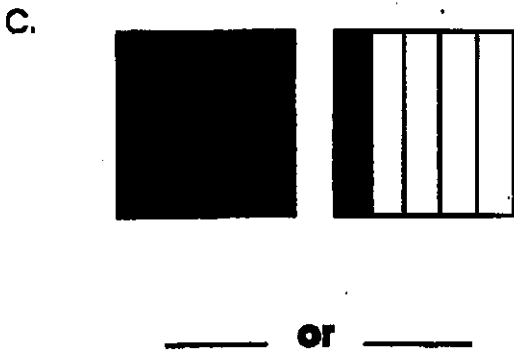
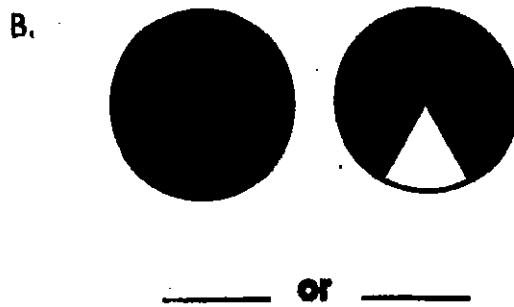
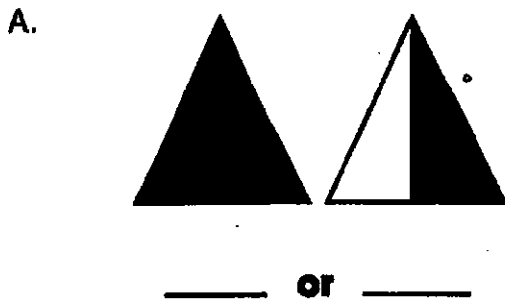
$4 \overline{)68}$

IMPROPER FRACTIONS AND MIXED NUMBERS

The picture shows $\frac{5}{3}$. Five-thirds is called an **improper fraction** because the numerator is larger than the denominator. Three-thirds ($\frac{3}{3}$) equals 1 whole, so $\frac{5}{3}$ equals 1 whole and $\frac{2}{3}$. One and two-thirds ($1\frac{2}{3}$) is called a **mixed number**.



Write the correct improper fraction and mixed number for each set of figures shown.



WRITING IMPROPER FRACTIONS AS MIXED NUMBERS

To change an improper fraction to a mixed number, divide the numerator by the denominator, and place the remainder as the new numerator.

$$\begin{array}{r} 4 \text{ r}2 \\ 3 \overline{)14} \\ -12 \\ \hline 2 \end{array}$$

So, $\frac{14}{3}$ can be renamed $4\frac{2}{3}$.

$$\frac{14}{3} = 4\frac{2}{3}$$

Rewrite each improper fraction as a mixed number. Please choose 10 to do.

A. $\frac{5}{4} =$

$\frac{10}{3} =$

$\frac{9}{8} =$

$\frac{8}{3} =$

B. $\frac{5}{2} =$

$\frac{7}{4} =$

$\frac{9}{3} =$

$\frac{11}{10} =$

C. $\frac{10}{7} =$

$\frac{19}{8} =$

$\frac{9}{5} =$

$\frac{31}{10} =$

D. $\frac{23}{10} =$

$\frac{17}{8} =$

$\frac{13}{3} =$

$\frac{25}{12} =$

E. $\frac{28}{9} =$

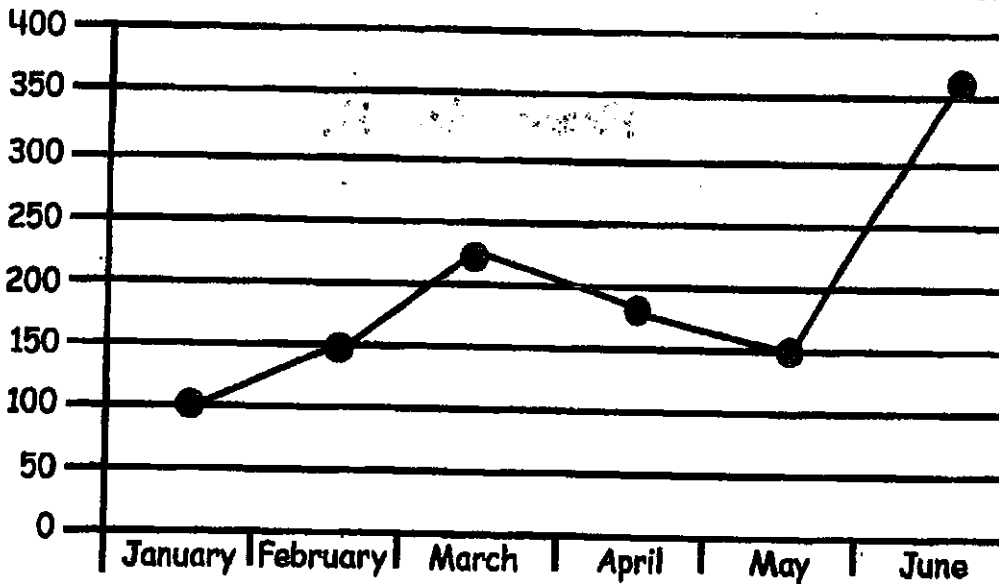
$\frac{9}{4} =$

$\frac{13}{6} =$

$\frac{76}{25} =$

Use this line graph to answer the questions below.

Interpreting a Graph



Write how many children's books were checked out from the library during each month.

January	February	March	April	May	June
_____	_____	_____	_____	_____	_____

What is one reason there might have been more books checked out in March and in June?

About how many books do you think might be checked out in July? Tell why.

LINES AND ANGLES

Parallel lines are lines that never intersect.

Perpendicular lines are lines that form right angles where they intersect.

Draw a line parallel to each line shown. Please do 3.

A.



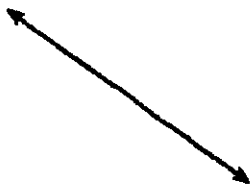
B.



C.



D.



E.



F.

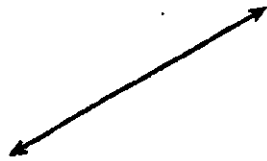


Draw a line perpendicular to each line shown. Please do 3.

G.



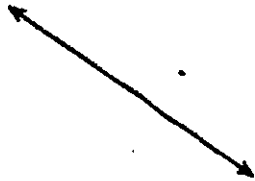
H.



I.



J.



K.

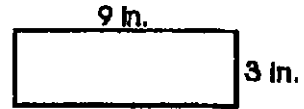


L.



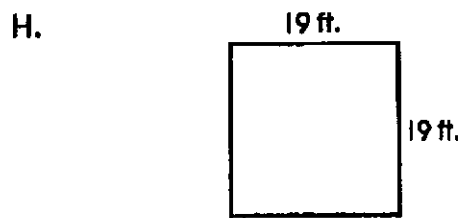
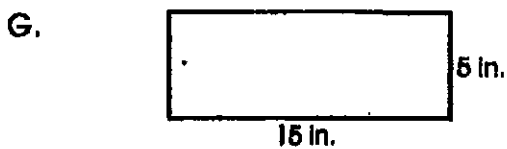
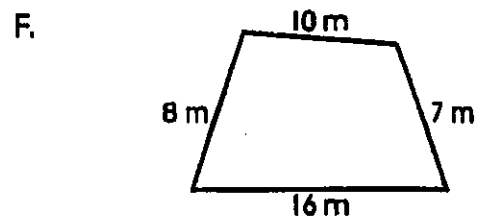
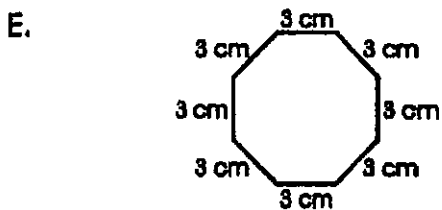
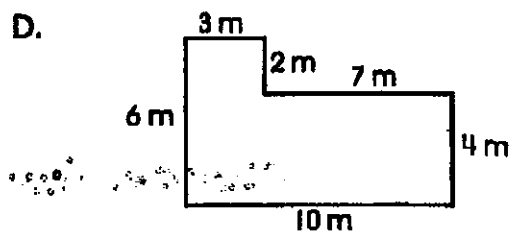
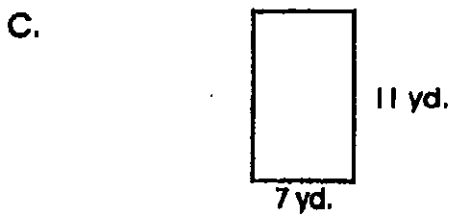
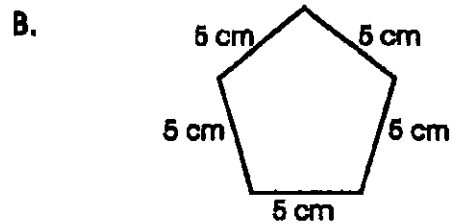
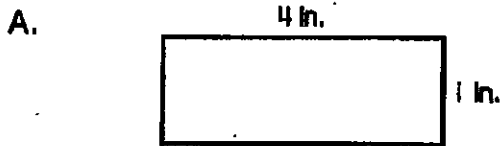
PERIMETER

Perimeter is the distance around a figure.
To find the perimeter of a figure, add the lengths of all of its sides.



$$9 \text{ in.} + 9 \text{ in.} + 3 \text{ in.} + 3 \text{ in.} = \mathbf{24 \text{ in.}}$$

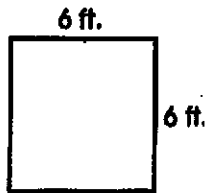
Find the perimeter of each figure. Choose 4.



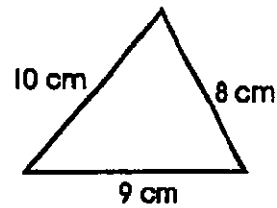
PERIMETER

Find the perimeter of each figure. *Choose two.*

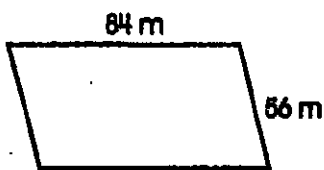
A.



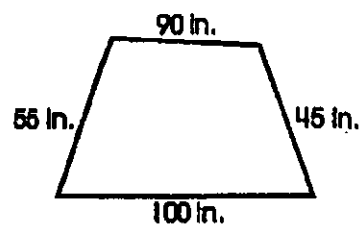
B.



C.



D.



Solve each problem. *Choose two.*

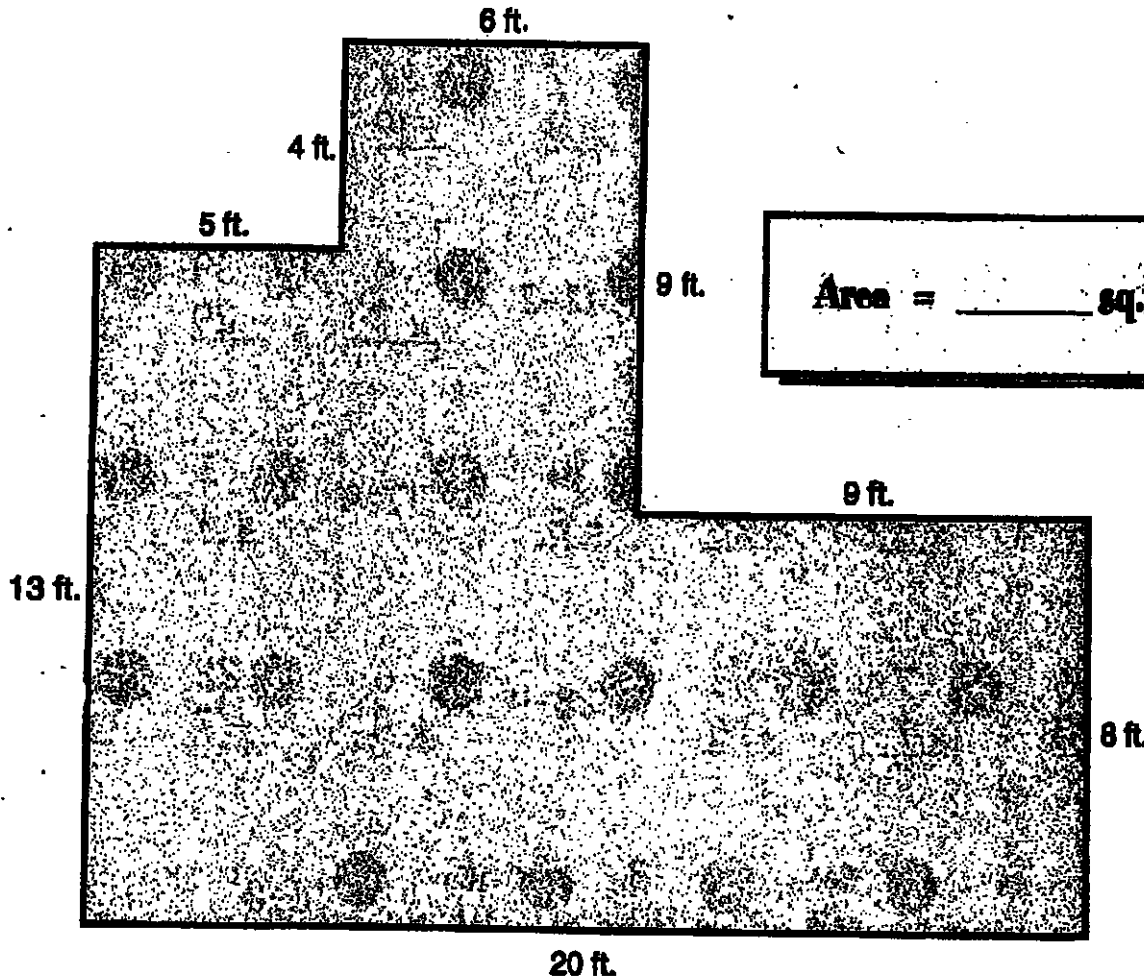
E. Jeff is making a rectangular picture frame. If the frame is 36 inches by 24 inches, what is the perimeter of the frame?

F. Lisa needs enough trim to sew around the edge of her quilt. If the quilt measures 96 inches by 72 inches, how many inches of trim will Lisa need?

G. Gary is building a dog pen. Two of the sides are 45 feet, and the other two sides are 28 feet. How many feet of fencing will Gary need?

H. Randy is gluing string around the edge of his kite. If the sides measure 12 inches, 16 inches, 14 inches, and 13 inches, how many inches of string does Randy need?

A new home is being built for the monkeys.
Can you find the area of the new home?



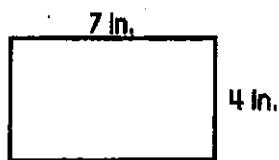
Area = _____ sq. ft.

Explain how you solved the problem.

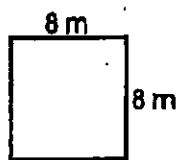
AREA

Find the area of each figure. *Choose two.*

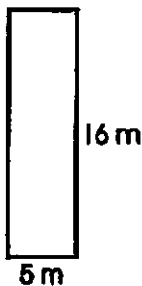
A.



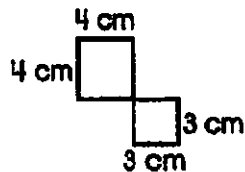
B.



C.



D.



Solve each problem. *Choose two.*

E. Helen makes a rectangular flag that is 6 feet by 9 feet. What is the area of Helen's flag?

F. Lance frames a poster that is 25 inches by 39 inches. What is the area of Lance's poster?

G. If Maria's garden measures 15 yards by 28 yards, what is the area of her garden?

H. Travis buys a piece of canvas for his project that measures 15 feet by 33 feet. What is the area of the canvas?



What Goes Tick-Tick, Woof-Woof?

Name _____

Solve each addition problem. Then write the letter on each line above the answer. The letters will spell out the answer for you.

A $0.5 + 0.3 =$ _____

A $0.4 + 0.2 =$ _____

C $0.25 + 0.52 =$ _____

D $4.0 + 0.2 =$ _____

G $0.5 + 3.0 =$ _____

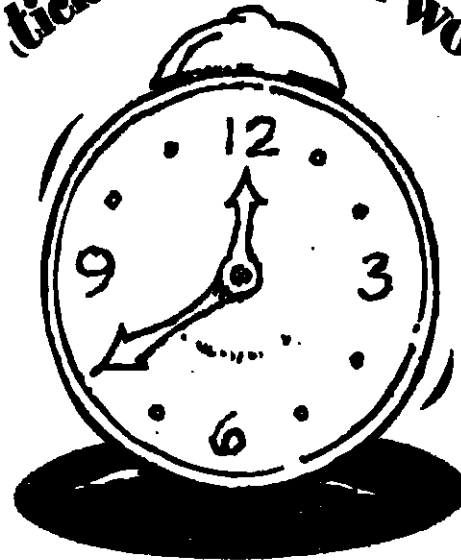
H $2.5 + 5.2 =$ _____

O $2.5 + 0.52 =$ _____

T $0.25 + 5.2 =$ _____

W $0.52 + 0.71 =$ _____

tick-tick *woof-woof*



0.6

1.23

0.8

5.45

0.77

7.7

4.2

3.02

3.5

Demonstrate addition and subtraction with decimals to the hundredths