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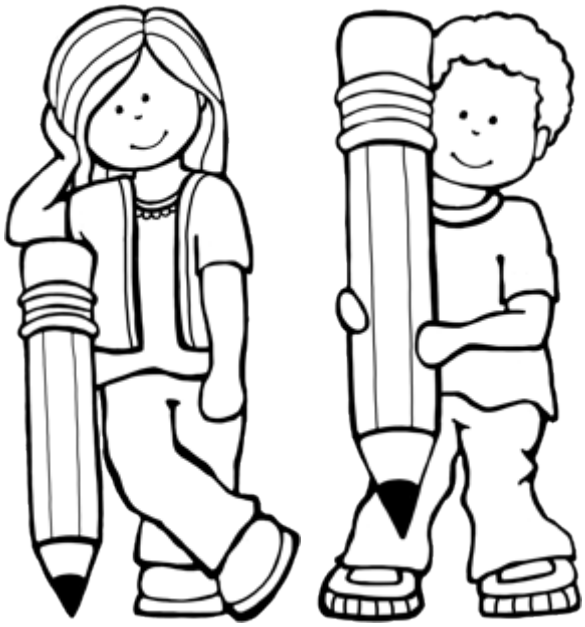
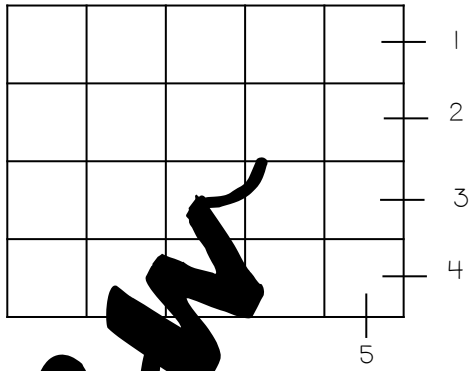
Area & Perimeter



By: _____

Perimeter

The total distance, boundary, around an object.



Count the outside edges of each square unit to find the perimeter.

Finish counting the sides to find the perimeter of the rectangle.

Perimeter=_____

Area

The measure of the surface of an object.

1	2	3	4	5
6				

Count each square unit to find the area of the figure.

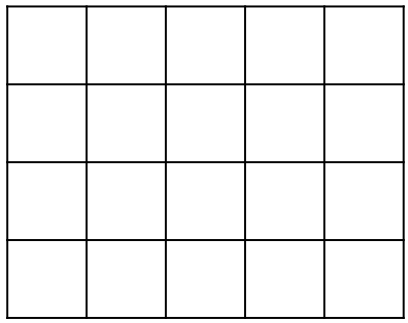
Finish counting the square units to find the area of the rectangle.

Area=_____

Square Unit

A square with side length 1 unit is called a square unit.

Area is measured with square units. Shade in one square unit in the rectangle below.



Area Formula

You can find the area of a rectangle by multiplying the length by the width.

3 ft. | 3x4=12 sq. ft.

4 ft.

What is the area of the rectangle below?

4 ft. | A=

6 ft.

Perimeter Formula

You can find the perimeter of a rectangle by adding the sides together.

3 ft. | 3+4+3+4=14 ft.

4 ft.

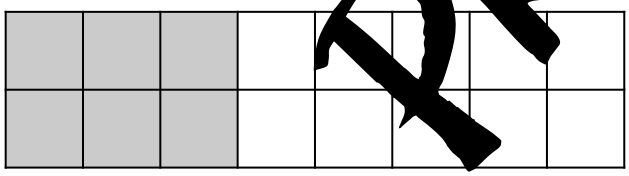
What is the perimeter of the rectangle below?

4 ft. | P=

6 ft.

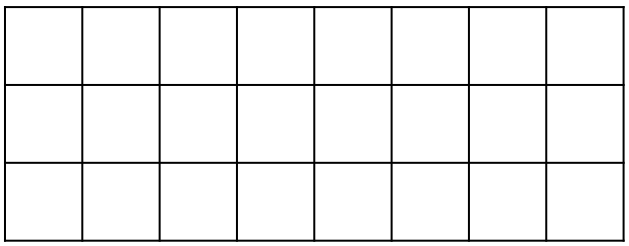
Distributive Property

The distributive property can be used to find the area of a rectangle.



(2x3)+(2x5)=16 square units.

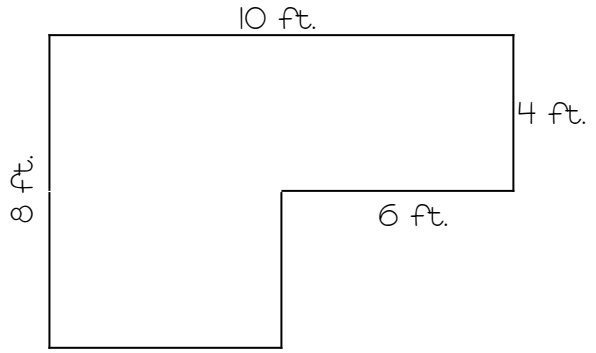
The distributive property can be used to find the area of the rectangle.



Area=

Area is Additive

Find the area of a rectilinear figure by decomposing it into non-overlapping rectangles and adding the areas together.



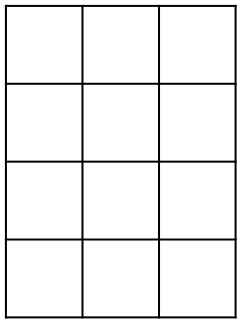
(6x4)+(4x8)=56 sq. ft.

Draw a line to show how the figure was decomposed.

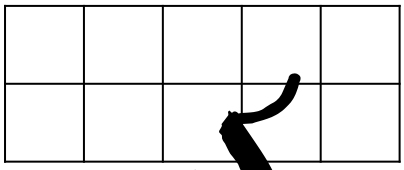
Name _____

Find the Perimeter

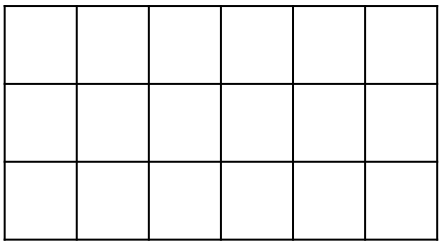
Find the perimeter of each rectangle.



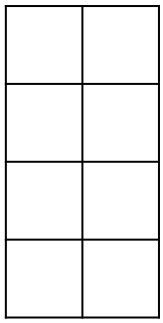
P=_____ units



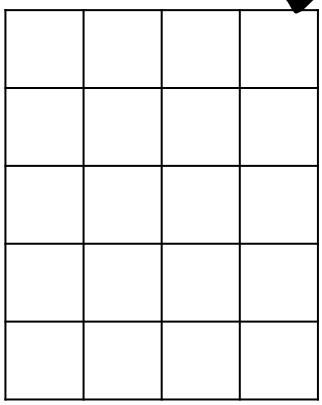
P=_____ units



P=_____ units



P=_____ units



P=_____ units

P=_____ units

Name _____ Date_____

Find the **Perimeter**

Find the perimeter of each rectangle.

20ft.
10ft.
P=

15ft.
4ft.
P=

10ft.
2ft.
P=

25ft.
P=

12ft.
6ft.
P=

22ft.
8ft.
P=

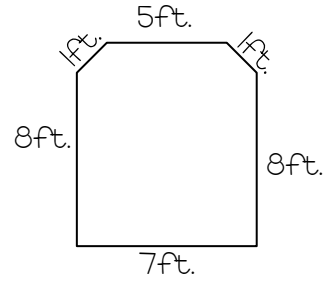
35ft.
15ft.
P=

30ft.
12ft.
P=

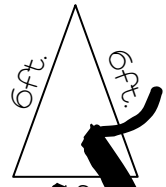
Name _____ Date_____

Find the **Perimeter**

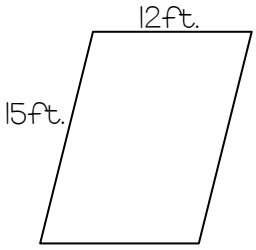
Find the perimeter of each figure.



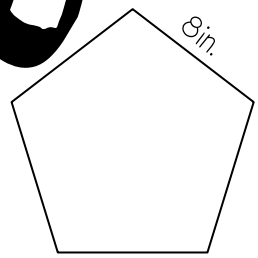
P=



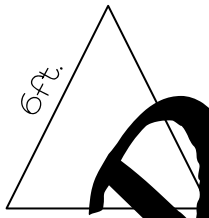
P=



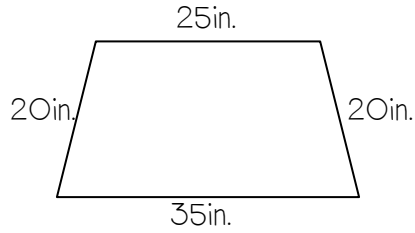
P=



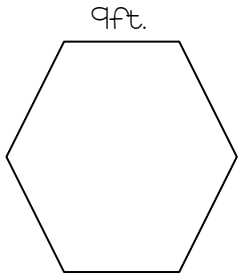
P=



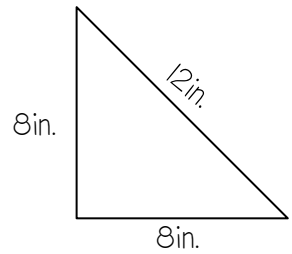
P=



P=



P=



P=

Name _____ Date_____

Draw the Perimeter

Draw a shape with the perimeter of the number in each box.

12

10

18

15

6

24

Name _____ Date_____

Draw the Perimeter

Draw and label a rectangle to show the perimeter in each box.

32

24

28

36

14

30

Name _____ Date_____

Draw the Perimeter

Draw a shape OTHER THAN A RECTANGLE with the perimeter of the number in each box.

12

10

18

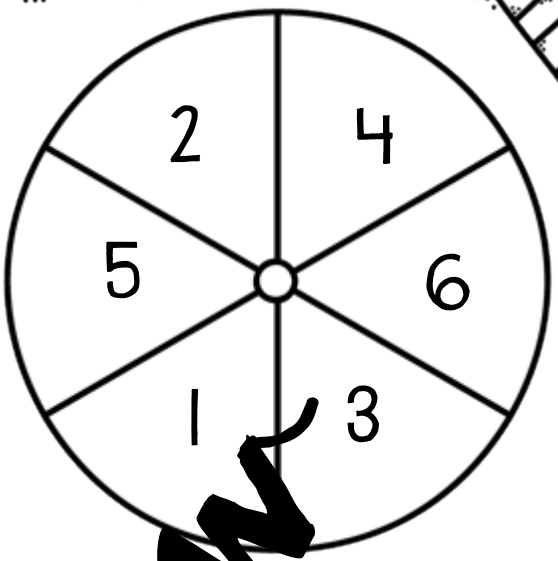
14

16

24

Name _____

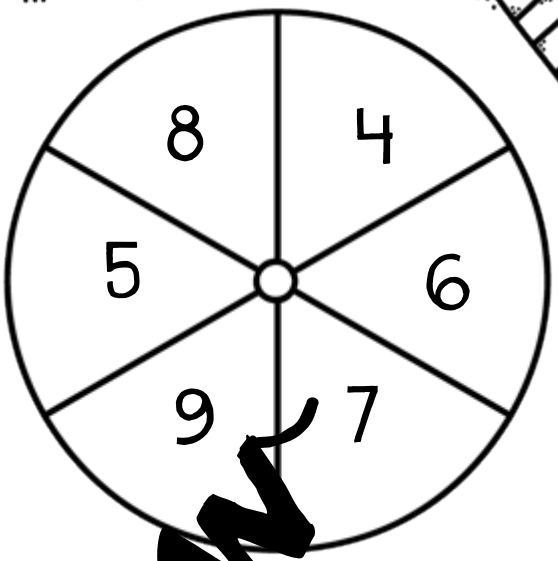
SPIN the PERIMETER



Use a paperclip and pencil to make a spinner. Spin the spinner two times. Draw a rectangle with the length and width of the numbers spun. Find the perimeter of your rectangle. See how many rectangles you can draw on one page.

Name _____

SPIN the PERIMETER

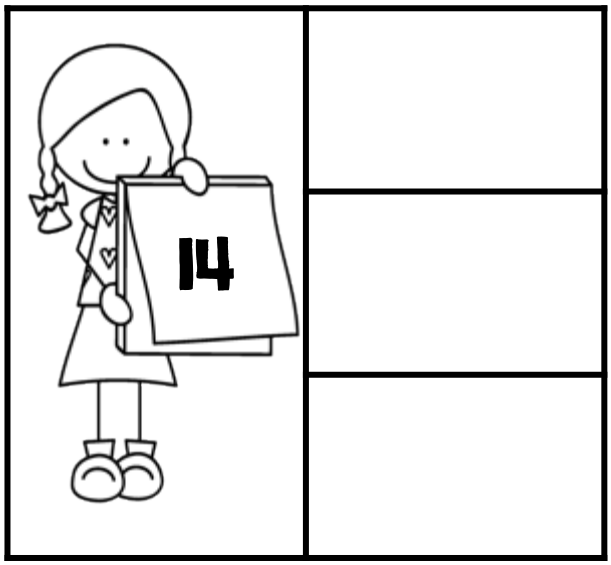


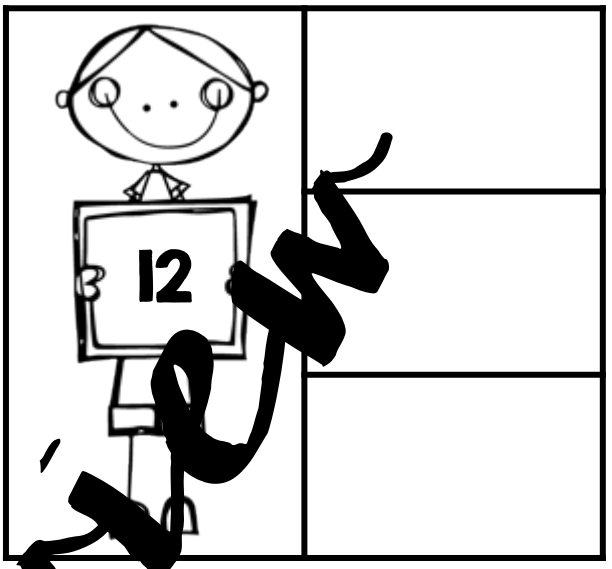
Use a paperclip and pencil to make a spinner. Spin the spinner two times. Draw a rectangle with the length and width of the numbers spun. Find the perimeter of your rectangle. See how many rectangles you can draw on one page.

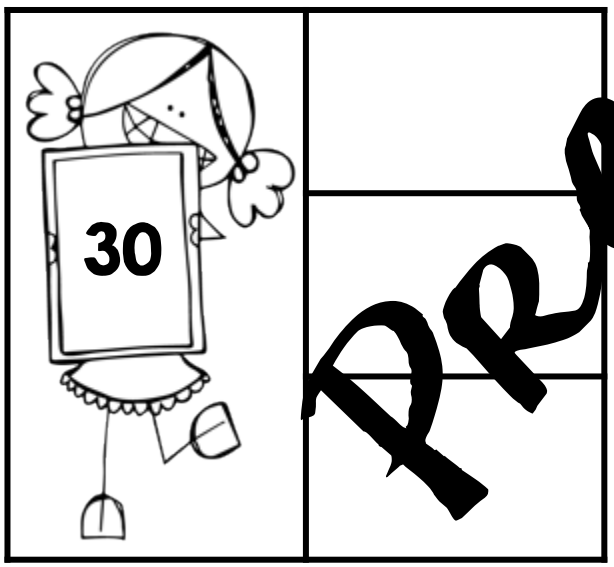
Name _____

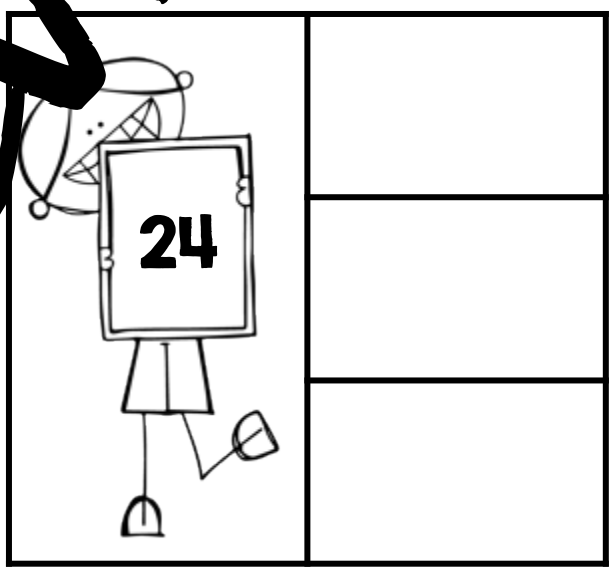
Cut & Paste Perimeter

Cut out and glue the rectangles to the box with the correct perimeter.









6 1 ☐	12 3 ☐	4 2 ☐	9 3 ☐	4 3 ☐	5 1 ☐
10 2 ☐	5 2 ☐	10 5 ☐	3 3 ☐	7 5 ☐	8 7 ☐

Name _____

Perimeter Models

Model 1:

Model 2:

Draw and label four rectangles with a perimeter of

24

Model 3:

Model 4:

Model 1:

Model 2:

Draw and label four rectangles with a perimeter of

16

Model 3:

Model 4:

Name _____ Date_____

Find the **Missing Side**

Find the measure of the missing side of each figure.

_____ ft.

8ft.

P=34 feet

15ft.

_____ft.

P= [illegible] eet

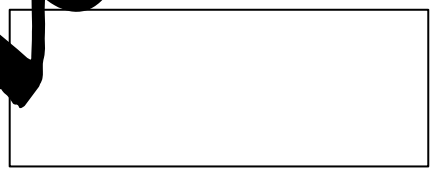
_____ ft.

2ft.

P=20 feet

14ft.

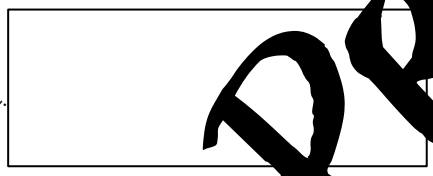
_____ft.



P=36 feet

_____ ft.

3ft.



P=24 feet

6ft.

_____ft.

P=16 feet

_____ ft.

2ft.

P=12 feet

35ft.

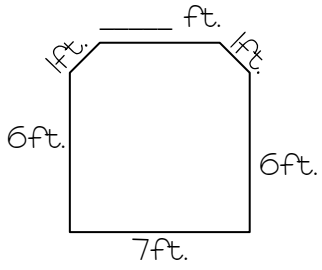
_____ft.

P=100 feet

Name _____ Date_____

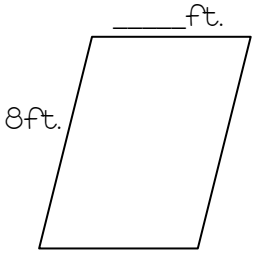
Find the **Missing Side**

Find the measure of the missing side of each figure.

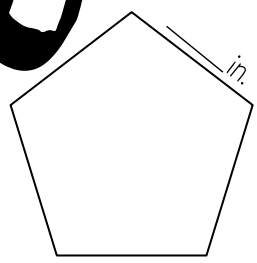


P=24 feet

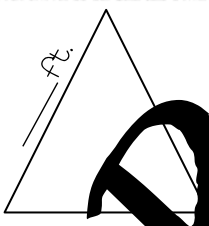
P=[illegible] feet



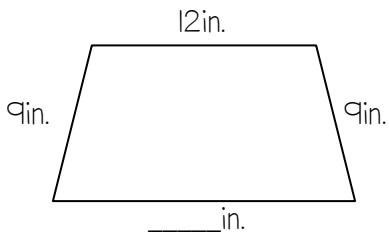
P=28 feet



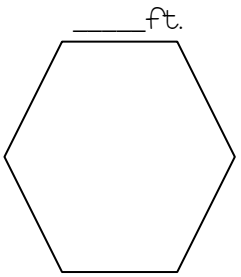
P=40 inches



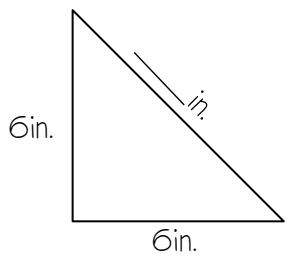
P=24 feet



P=50 inches



P=48 feet



P=28 inches

Name _____

Perimeter Word Problems

Solve each word problem with a number sentence and a picture.

Your principal announced that there would be a new addition to your playground! It would be 45 feet long and 35 feet wide. What is the perimeter of the new addition?	Ben's dog pen is a square. Each side is five feet. What is the perimeter of the dog pen?
Emily is going to fence her backyard for her dog. She bought 100 feet of fence. Her backyard is 25 feet wide and 45 feet long. Did she buy enough fence?	Hadley made a picture frame that was 24 inches tall and 15 inches wide. What was the perimeter of the picture frame?

Name _____

Perimeter Word Problems

Solve each word problem with a number sentence and a picture.

My dad is making a sandbox. The sandbox has a perimeter of 100 inches. The width of the sandbox is 20 inches. What is the length of the sandbox?

My teacher added new border to our bulletin board. The bulletin board has a perimeter of 250 inches and a length of 85 inches, what is the width of the bulletin board?

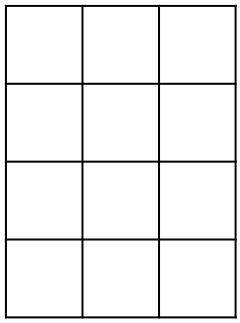
I had to clean the baseboards in my living room last weekend. The room was 19 feet long and 12 feet wide. What was the perimeter of the room?

Bryson made a square picture frame with a perimeter of 36 inches. What was the length of the picture frame?

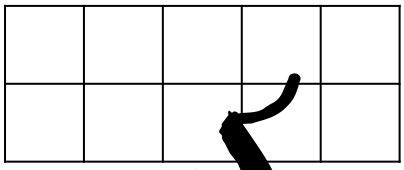
Name _____

Find the Area

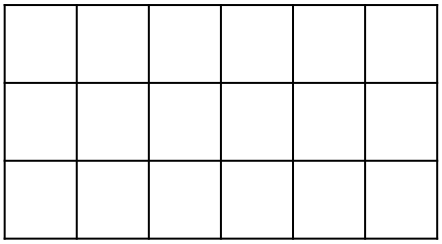
Find the area of each rectangle.



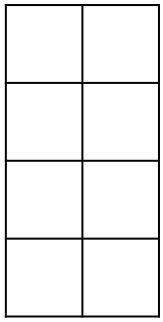
A=_____ sq. units



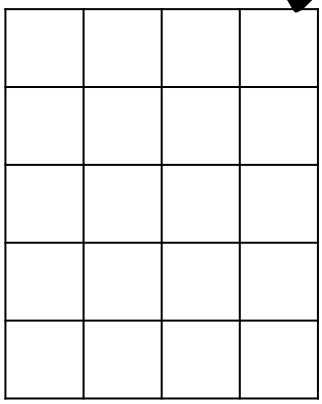
A=_____ sq. units



A=_____ sq. units



A=_____ sq. units



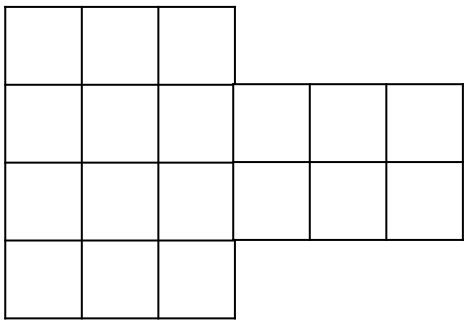
A=_____ sq. units

A=_____ sq. units

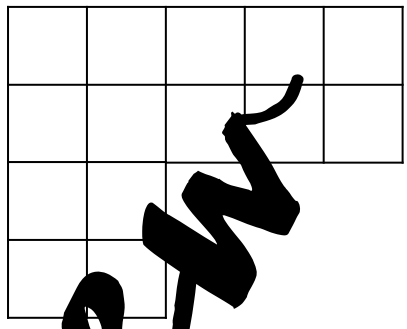
Name _____

Find the Area

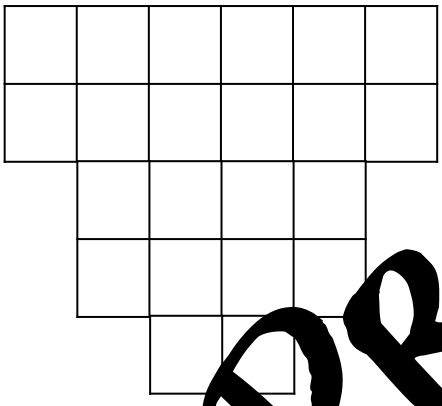
Find the area of each rectangle.



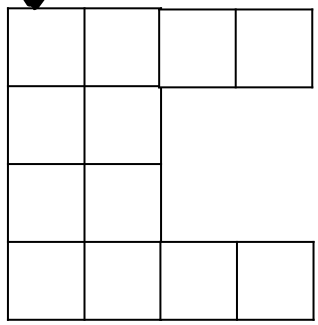
A=_____ sq. units



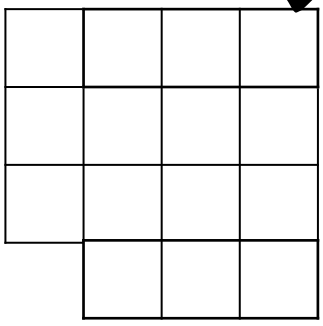
A=_____ sq. units



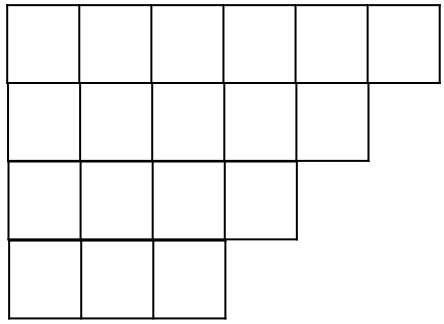
A=_____ sq. units



A=_____ sq. units



A=_____ sq. units



A=_____ sq. units

Name _____ Date_____

Find the **Area**

Find the area of each rectangle

10ft.

3ft.

A=

7ft.

4ft.

A=

6ft.

2ft.

A=

9ft.

A=

8ft.

4ft.

A=

9ft.

3ft.

A=

20ft.

2ft.

A=

30ft.

5ft.

A=

Name _____ Date_____

Draw the Area

Draw a shape with the area of the number in each box.

12 units

16 units

18 units

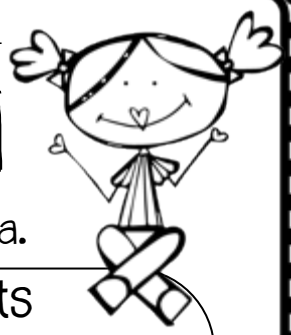
36 units

15 units

24 units

Name _____ Date_____

Draw the Area



Draw and label a rectangle to show the area.

32 units

24 units

28 units

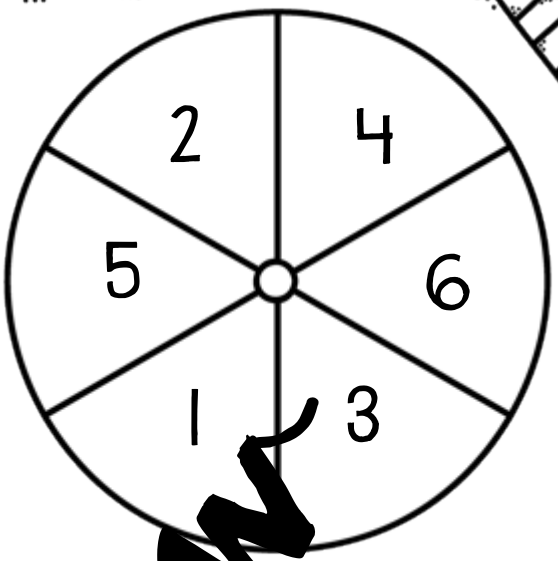
36 units

14 units

30 units

Name _____

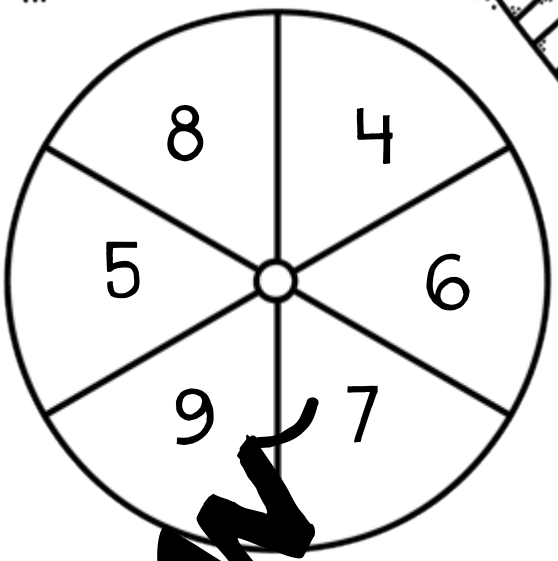
SPIN the AREA



Use a paperclip and pencil to make a spinner. Spin the spinner two times. Draw a rectangle with the length and width of the numbers spun. Find the area of your rectangle. See how many rectangles you can draw on one page.

Name _____

SPIN the AREA

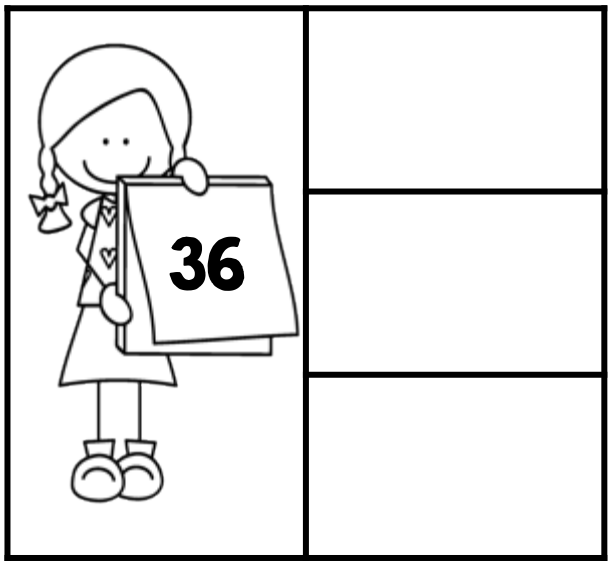


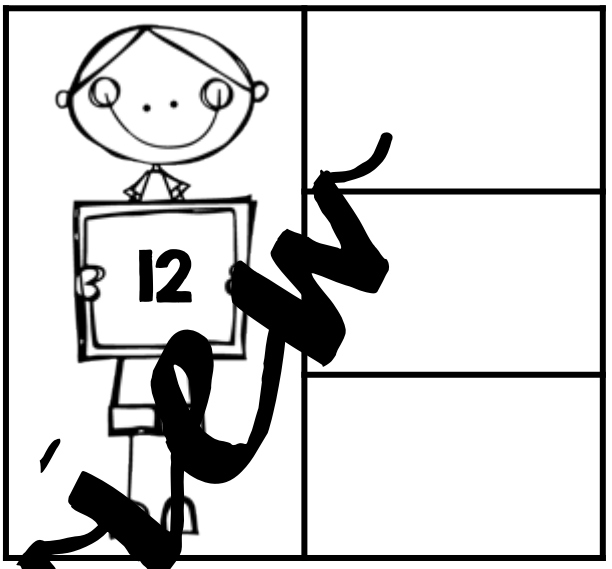
Use a paperclip and pencil to make a spinner. Spin the spinner two times. Draw a rectangle with the length and width of the numbers spun. Find the area of your rectangle. See how many rectangles you can draw on one page.

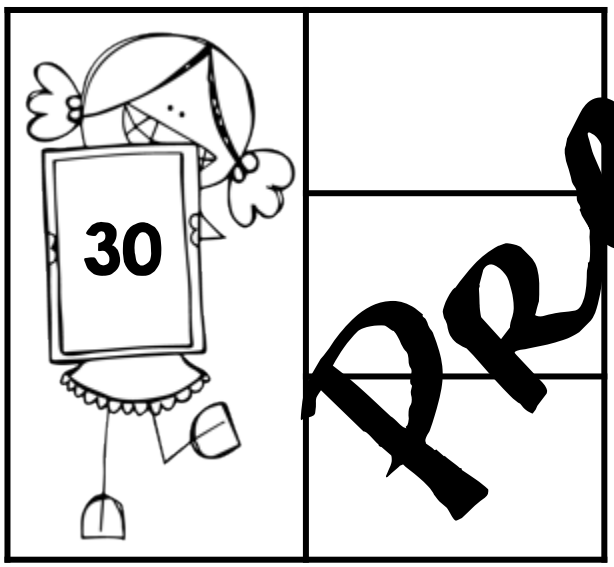
Name _____

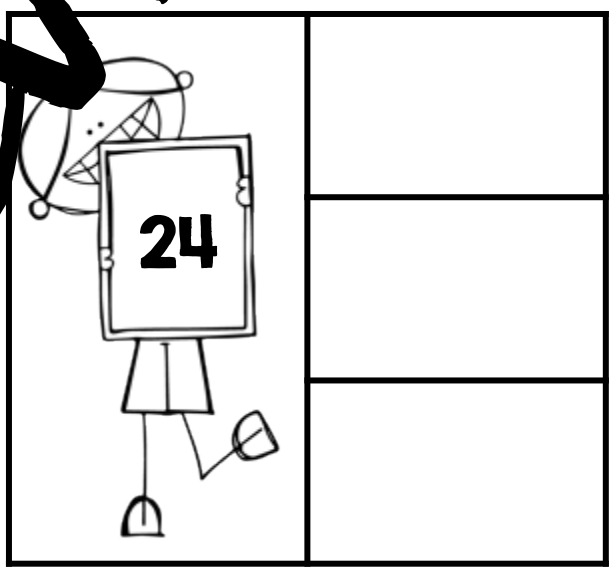
Cut & Paste Area

Cut out and glue the rectangles to the box with the correct perimeter.









12 1 ☐	12 3 ☐	6 2 ☐	9 4 ☐	4 3 ☐	15 2 ☐
8 3 ☐	12 2 ☐	5 6 ☐	6 6 ☐	6 5 ☐	6 4 ☐

Name _____

Area Models

Model 1:

Model 2:

Draw and label four rectangles with an area of

24

Model 3:

Model 4:

Model 1:

Model 2:

Draw and label four rectangles with an area of

36

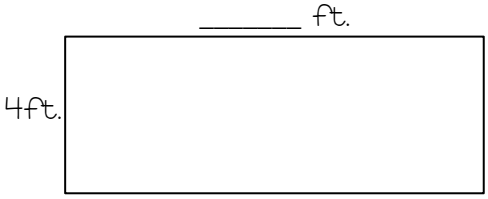
Model 3:

Model 4:

Name _____ Date_____

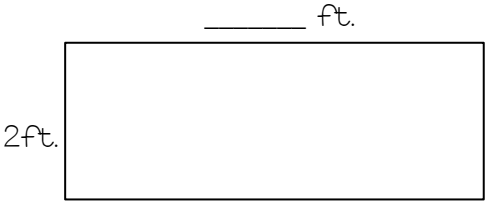
Find the **Missing Side**

Find the measure of the missing side of each figure.



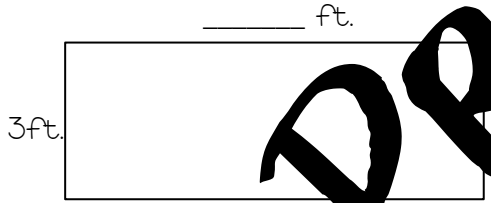
A=32 sq. feet

A= 45 sq. feet



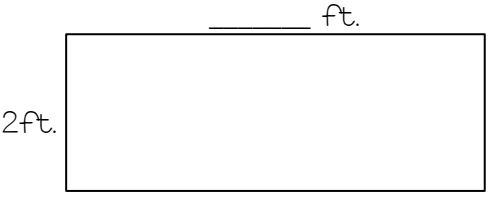
A=20 sq. feet

A=21 sq. feet



A=24 sq. feet

A=18 Sq. feet



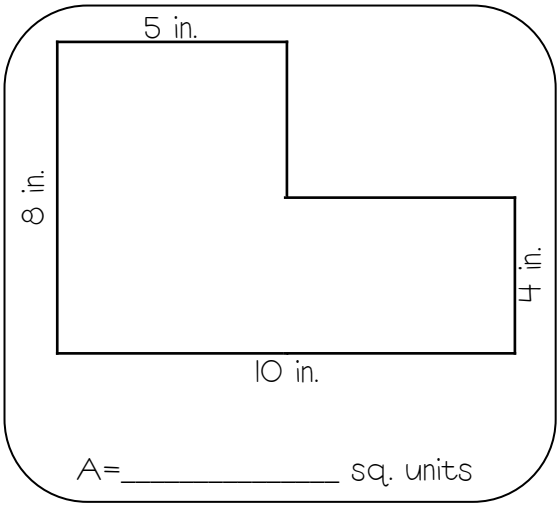
A=12 sq. feet

A=60 sq. feet

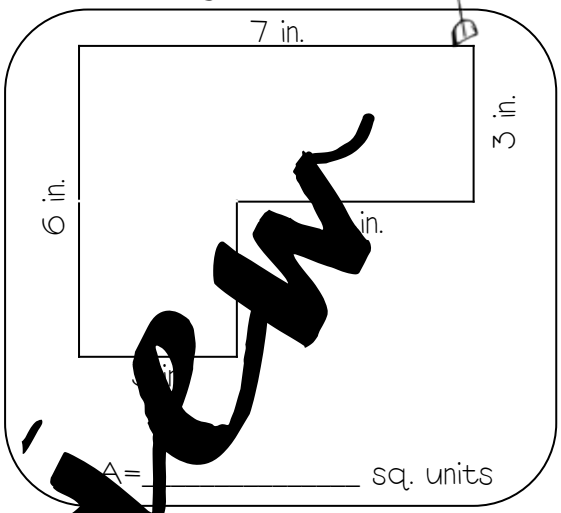
Name _____

Area is Additive

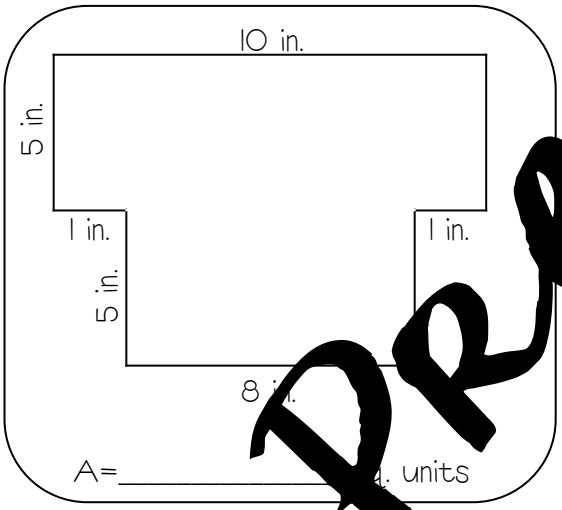
Find the area of each rectangle.



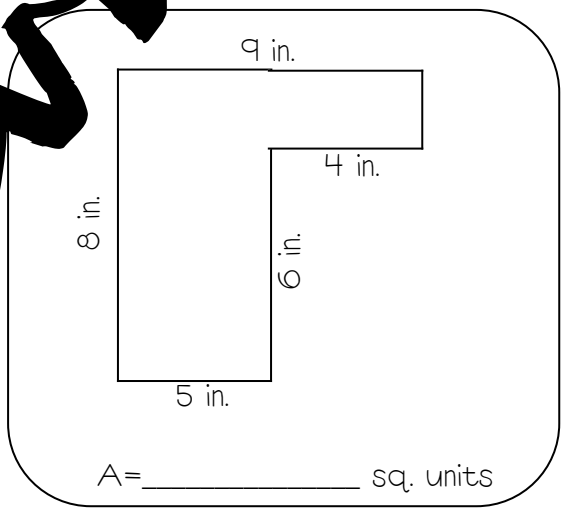
A=_____ sq. units



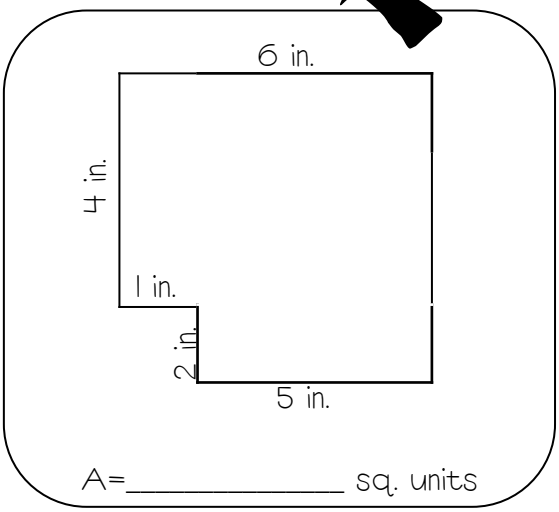
A=_____ sq. units



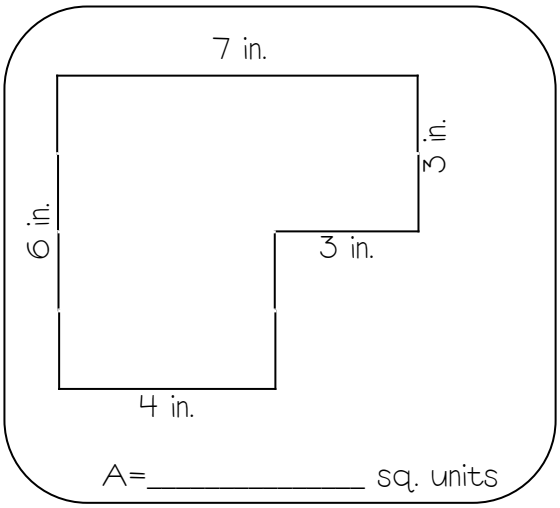
A=_____ sq. units



A=_____ sq. units



A=_____ sq. units



A=_____ sq. units

Name _____

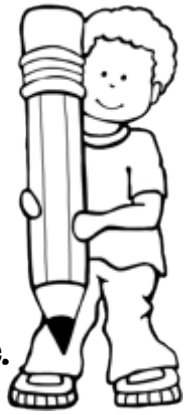
Area Word Problems

Solve each word problem with a number sentence and a picture.

A principal wants to have tile installed in a classroom. The room is 20 feet long and nine feet wide. What is the area of the room?	A painter was painting a wall that was nine feet high and seven feet wide. What was the area of the room?
I have a square piece of wood that is seven inches long. What is the area of the wood?	My teacher needed new fabric on her bulletin board. It was six feet long and four feet wide. What was the area of the bulletin board?

Name _____

Area Word Problems



Solve each word problem with a number sentence and a picture.

I have a square piece of paper that I need to paint. The paper has an area of 64 square inches. What is the length of the paper?

My back yard has an area of 72 square feet. The yard is nine feet long. What is the width of my back yard?

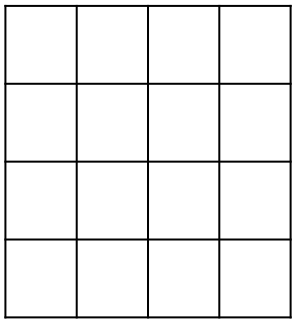
My mom laid sod on our lawn. She ordered 59 square yards of sod. Our lawn is nine yards long and six yards wide. Did she order enough sod?

The field behind Rick's house is 42 square acres. The field in seven acres long. What is the width of the field?

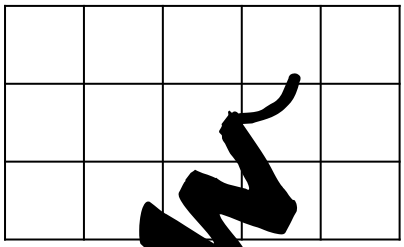
Name _____

Find the Perimeter & Area

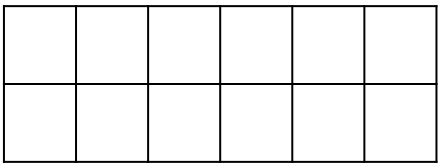
Find the perimeter and area of each rectangle.



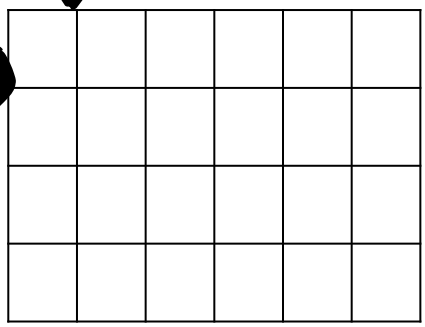
A= P=



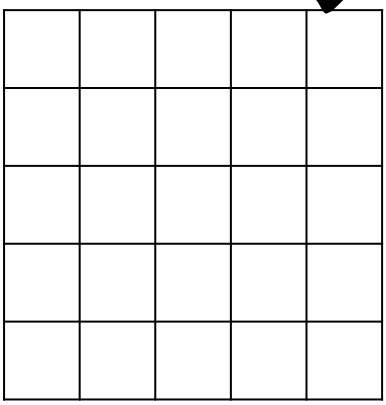
A= P=



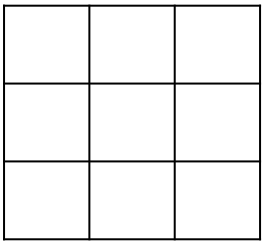
A= P=



A= P=



A= P=



A= P=

Name _____ Date_____

Find the **Perimeter** & **Area**

Find the perimeter and area of each rectangle

10ft.

3ft.

A= P=

7ft.

4ft.

A= P=

6ft.

2ft.

A= P=

9ft.

A= P=

8ft.

4ft.

A= P=

9ft.

3ft.

A= P=

20ft.

2ft.

A= P=

30ft.

5ft.

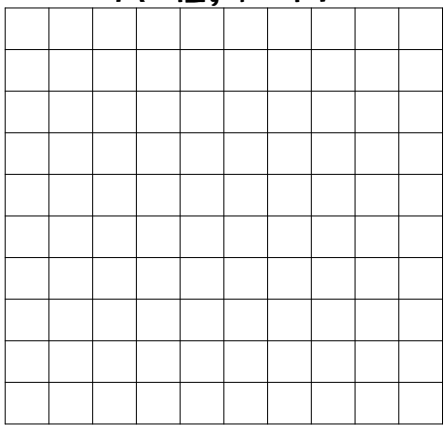
A= P=

Name _____ Date_____

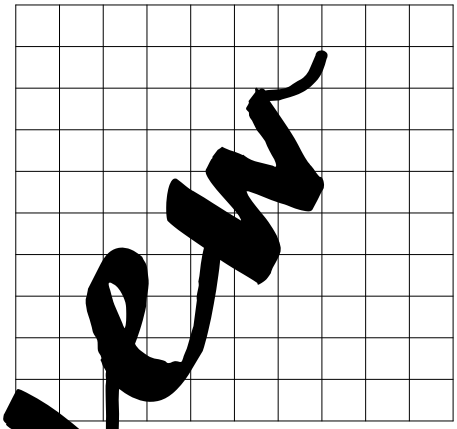
Draw the Perimeter & Area

Draw a shape with the perimeter & area of the number in each box.

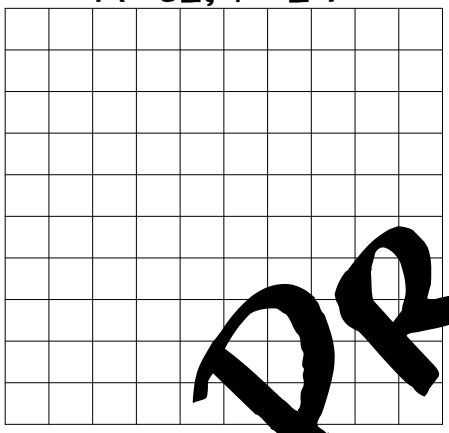
A=12, P=14



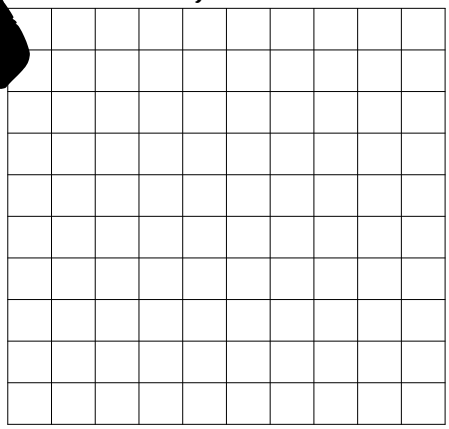
A=14, P=18



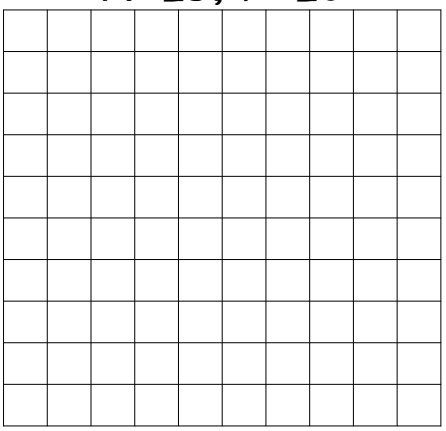
A=32, P=24



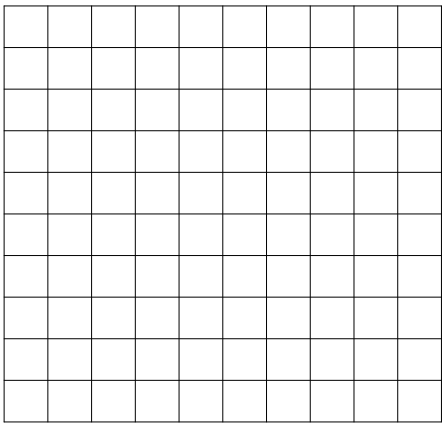
A=9, P=20



A=25, P=20



A=40, P=26



Name _____ Date_____

Label the Perimeter & Area

Draw a shape with the perimeter & area of the number in each box.

A=12 in^2, P=22 in

A=25 in^2, P=20 in

A=12 in^2, P=16 in.

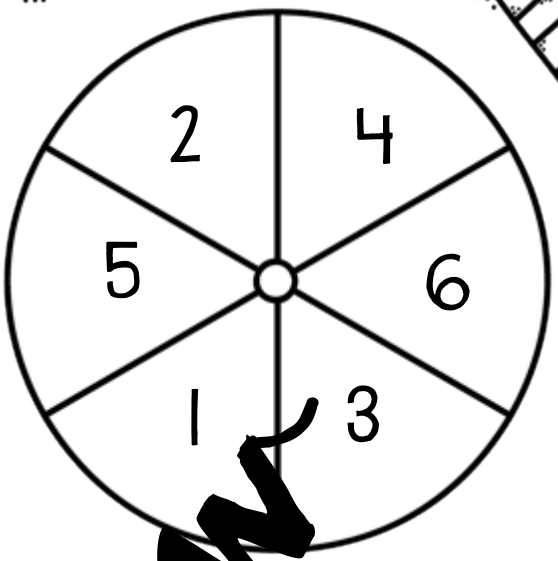
A=7 in^2, P=15

A=64 in^2 P=32 in

A=63 in^2, P=32 in

Name _____

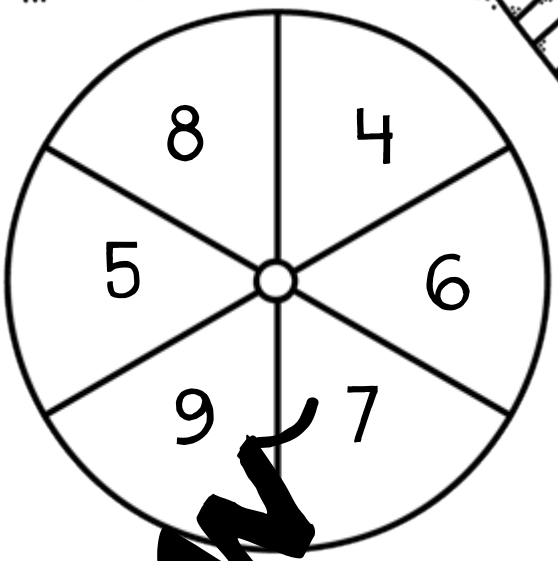
SPIN and COLOR



Use a paperclip and pencil to make a spinner. Spin the spinner two times. Draw a rectangle with the length and width of the numbers spun. Find the area and perimeter of your rectangle. See how many rectangles you can draw on one page.

Name _____

SPIN and COLOR



Use a paperclip and pencil to make a spinner. Spin the spinner two times. Draw a rectangle with the length and width of the numbers spun. Find the area and perimeter of your rectangle. See how many rectangles you can draw on one page.

Name _____

Area & Perimeter Models

Model 1:

Model 2:

Draw and label four rectangles with a perimeter of

20

Model 3:

Model 4:

Model 1:

Model 2:

Draw and label four rectangles with an area of

30

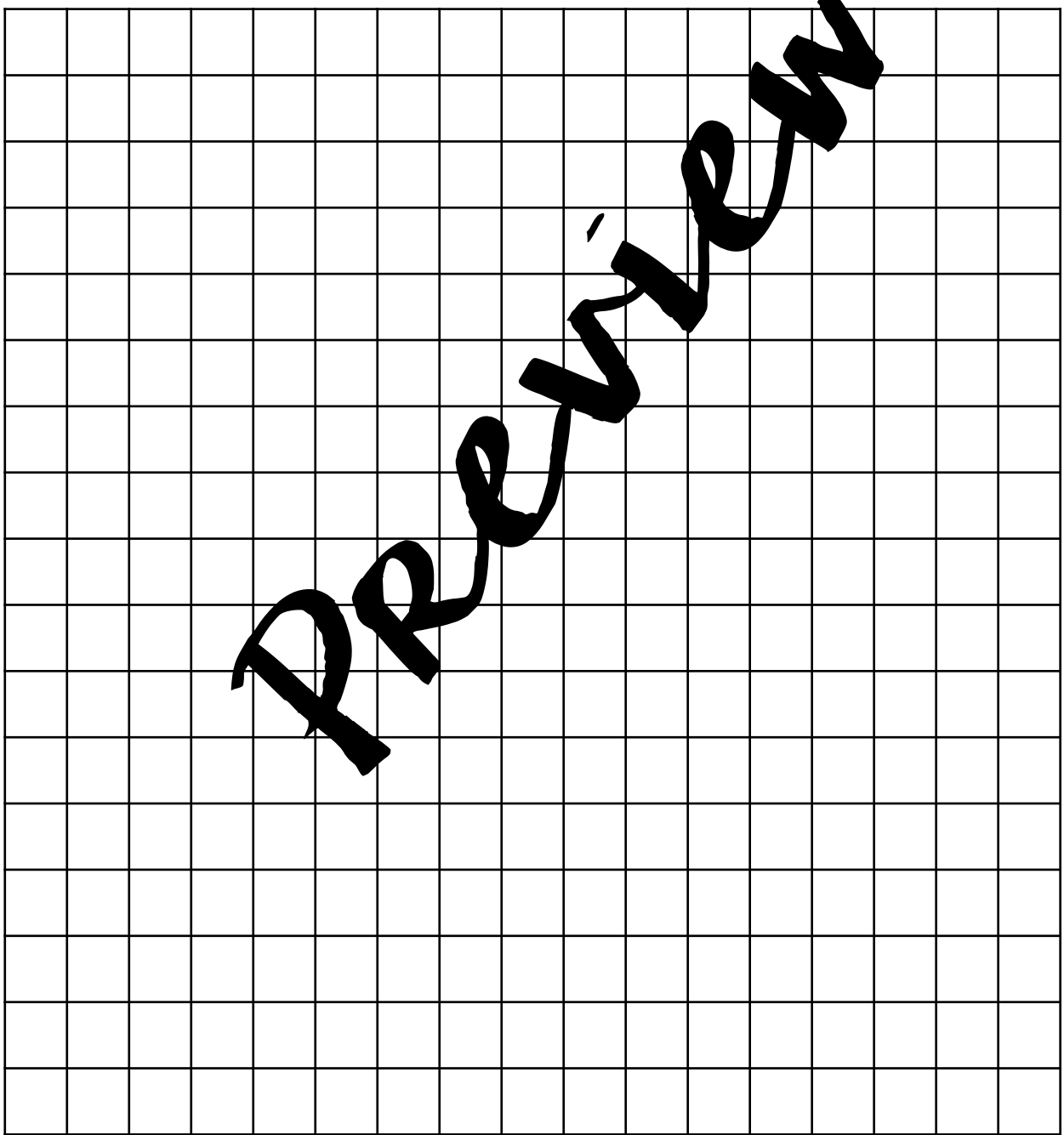
Model 3:

Model 4:

Name _____ Date _____

Comparing Perimeter

Directions: Each player chooses a different color crayon. Take turns and roll two dice. Multiply the two numbers together to find the area of their shape. After both players have drawn their shapes, find the perimeter. The player with the largest perimeter wins that round!



Name_____ Date_____

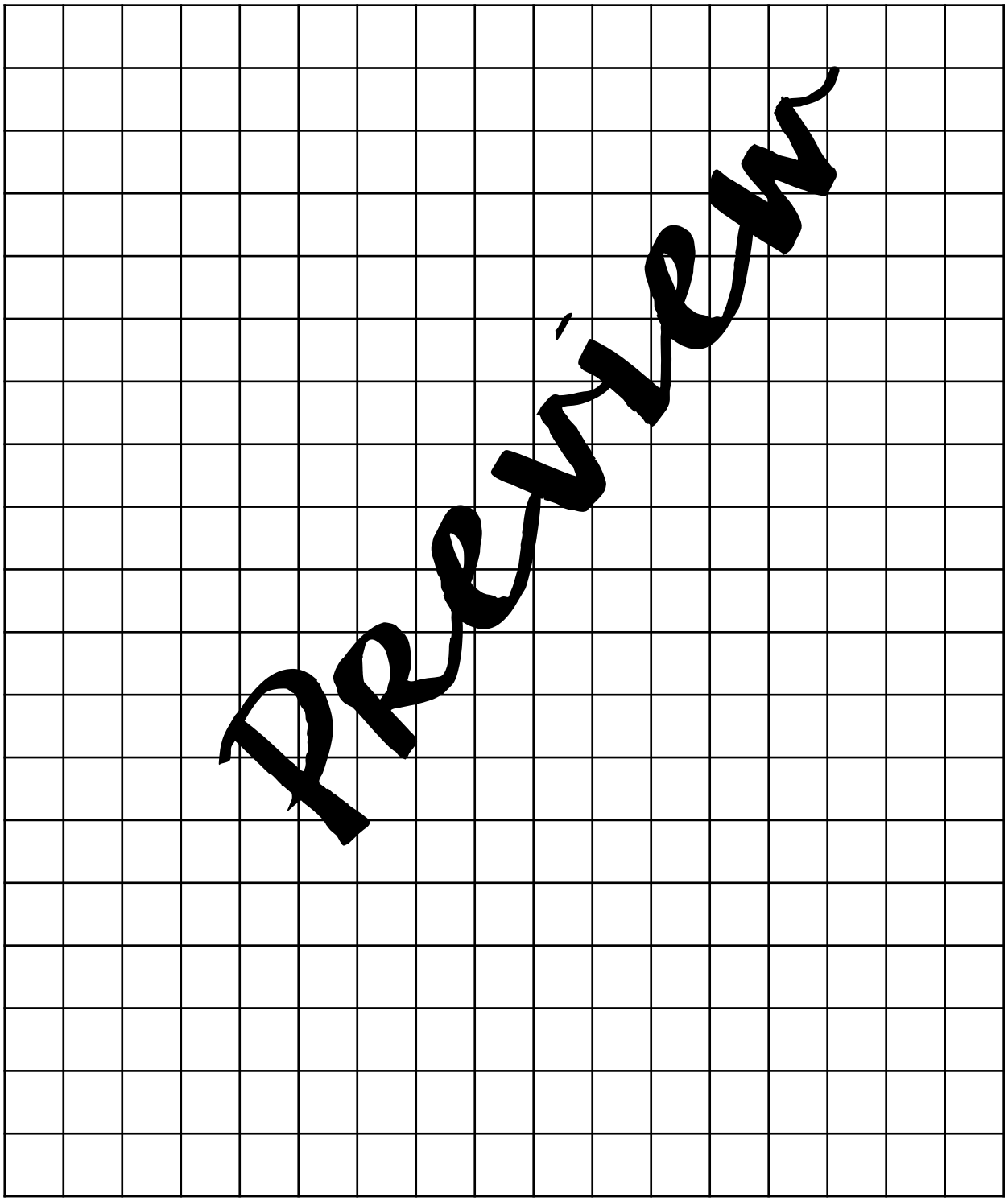
Measurement Garden

The grid below shows a plot of land where you are going to plant a flower garden. Use the grid to design five different flower beds, each for a different type of flower. **Label the perimeter and area of each flower bed**. Then, use the measurements to draw a picture of the flower garden to scale. (Each unit represents one-inch.) Be sure to use a ruler to draw exact measurements. For example, if you have a rectangle that is a 3x5 square, your drawing should be exactly three inches wide and five inches long. **You do not need to draw squares for the picture**, just be sure to label the dimensions. In each flower bed, draw one flower for each square unit. When you're finished, decorate the empty spaces in your garden to create a special place for you to enjoy.

Name _____ Date_____

Design a Mall

Build your own mall. You should add at least six different stores and one restaurant. You may also want to add other details such as walkways. Just be sure to use every square foot available! Record the area and perimeter of each store on the recording sheet.



Name _____ Date_____

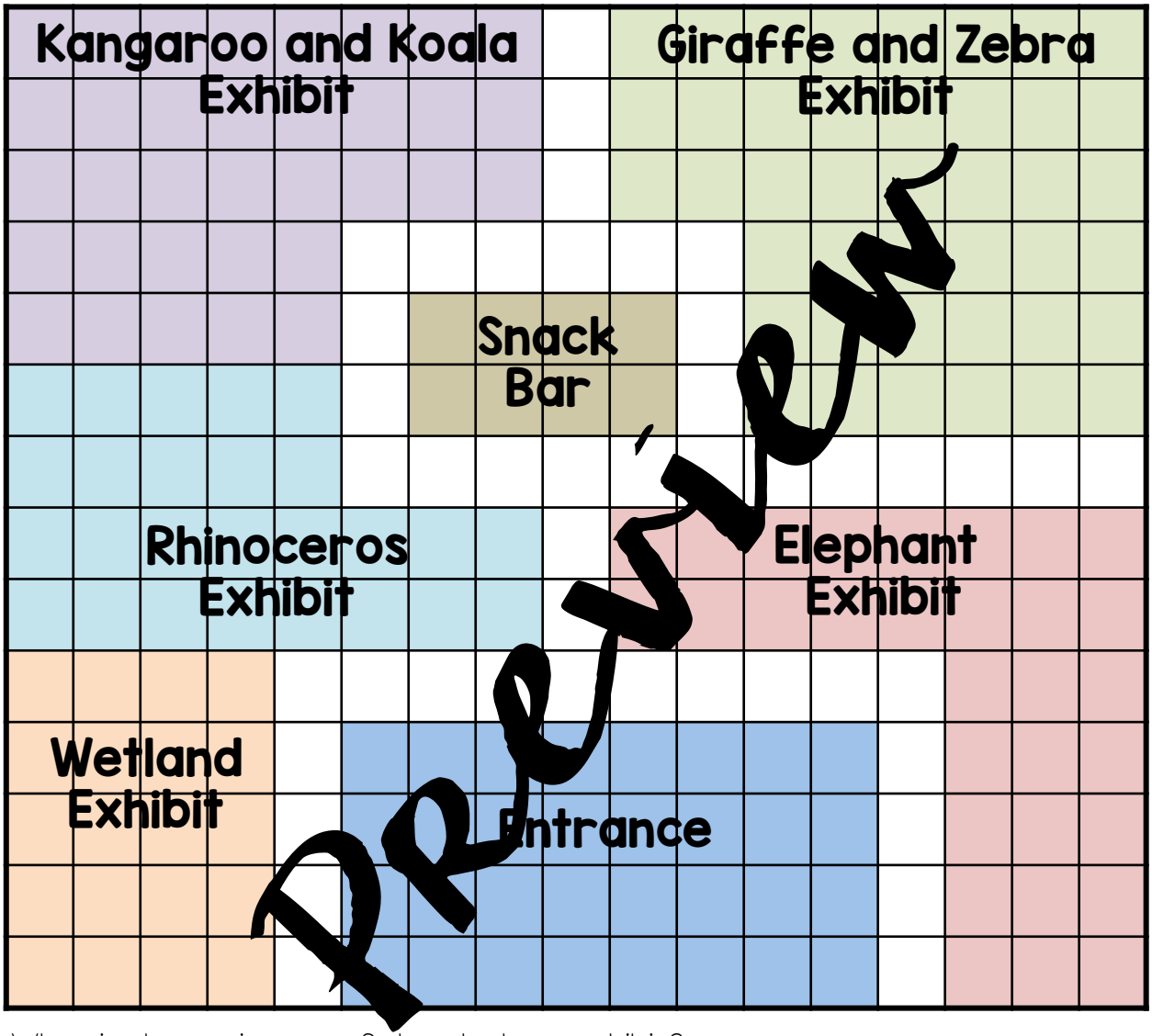
Design a Mall

Store	Area	Perimeter

Name _____ Date_____

Zoo Fun

Use the map of the zoo to answer the questions below.



1. What is the perimeter of the elephant exhibit? _____

2. What is the combined area of the snack bar and entrance? _____

3. What is the area and perimeter of the giraffe and zebra exhibit?

_____

4. How much larger is the exhibit with the largest area than the exhibit with the smallest area? _____

Name _____ Date_____

How Many Ways

Show how many ways you can create a rectangle with an area of 12 square units. Label and find the perimeter of each rectangle.

Name _____ Date_____

AREA & PERIMETER SORT

Area	Perimeter

Building a fence around a yard	Adding trim around a door
Installing carpet in a bedroom	Painting a wall
Laying a tile floor	Placing rocks around a fountain
Building a picture frame	The surface of an object
The border of an object	Hanging up bulletin board paper

Name _____

Area & Perimeter Word Problems

Solve each word problem with a number sentence and a picture.

Your classroom has an area of 72 square feet. It is eight feet wide. What is the perimeter of your classroom?

A tablecloth has an area of 56 feet. It is eight feet long. What is the width of the tablecloth?

Riley wanted to paint a border around her bedroom. If her bedroom is 11 feet long and nine feet wide, what is the area of her bedroom?

Bella's picture frame has a perimeter of 100 inches. The frame is 20 inches wide. How long is the picture frame?

Name _____

Area & Perimeter Word Problems

Solve each word problem with a number sentence and a picture.

John is laying carpet in his bedroom. His bedroom is five yards long and two yards wide. The carpet he purchased is $9 per square yard. How much will John pay for the carpet?

Annabel is having a wood floor installed in her bedroom. Her bedroom is four yards long and three yards wide. She also wants a wood floor in her closet which is two yards long and one yard wide. How much wood will she need?

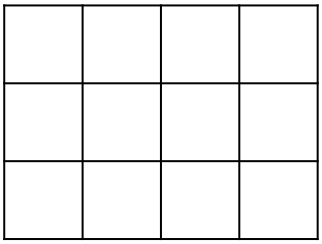
Ashley is installing a granite counter top in her kitchen. One counter top is three feet long and two feet wide. Another counter top is four feet long and two feet wide. If the granite cost $10 for each square foot, how much will Ashley spend on granite?

Anna has a poster that is 10 inches wide and a perimeter of 52 inches. What is the area of Anna's poster?

Name _____ Date_____

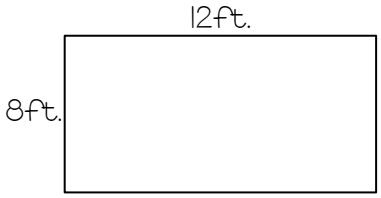
AREA AND PERIMETER TEST

1. Find the perimeter.



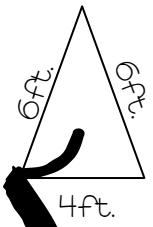
P=_____

2. Find the perimeter.



P=_____

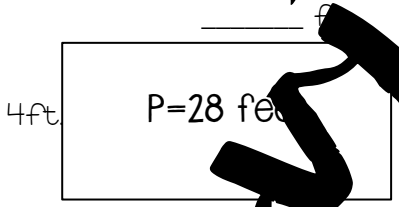
3. Find the perimeter.



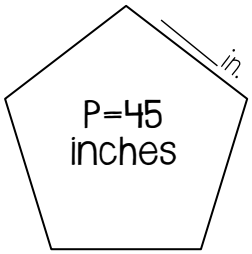
P=_____

4. Label the rectangle so it has a perimeter of 24.

5. Find the missing side in the rectangle below.



6. Find the missing side.



7. The trim around the window was t inches long and 36 inches wide. What was the perimeter of the win

8. The picture frame David built had a perimeter of 66 inches. The frame was 24 inches wide. How long was the frame?

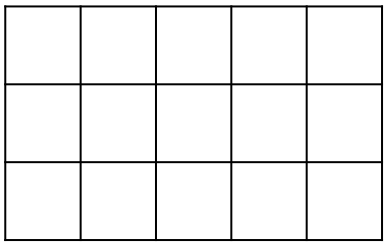
9. Show three ways to create a figure with a perimeter of 16.

10. What is perimeter?

Name _____ Date_____

AREA AND PERIMETER TEST

1. Find the area.

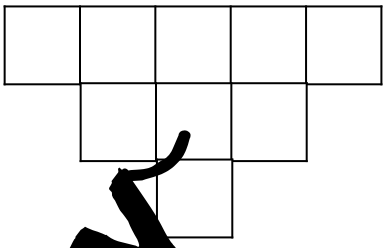


A=_____

2. Find the area.

A=_____

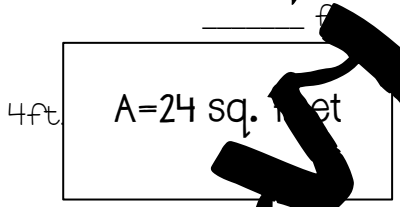
3. Find the area.



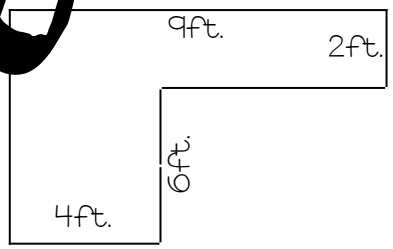
A=_____

4. Label the rectangle so it has an area of 36 square inches.

5. Find the missing side in the rectangle below.



6. Find the area.



A=_____

7. Erin had a new piece of fabric th... was eight feet long and six feet wide. What was the area of her new fabric?

8. We bought a new rug that had an area of 32 square feet. The rug was four feet wide. What was the length of the rug?

9. Show three ways to create a figure with an area of 12.

10. What is area?