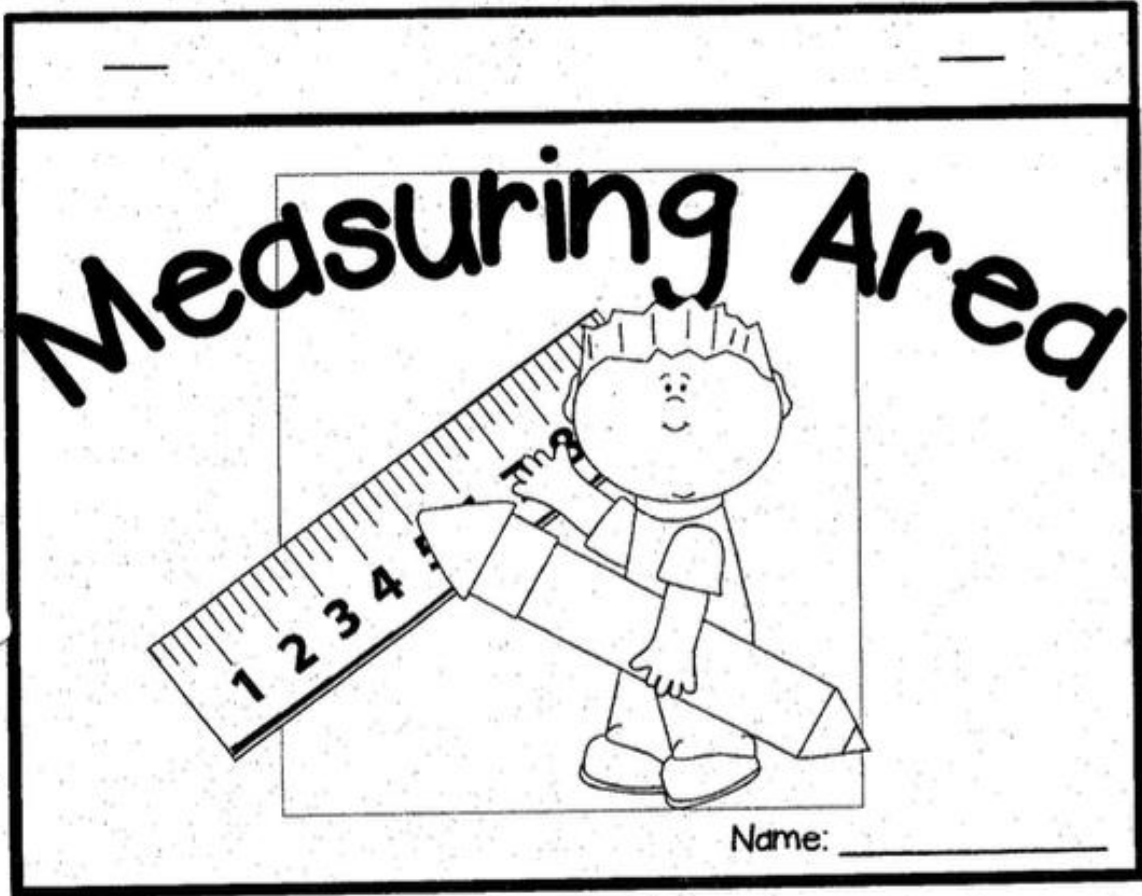


Grade 3- Standard: 3.MD.5-3.MD.7 Understand concepts of area and relate to multiplication and relate to addition

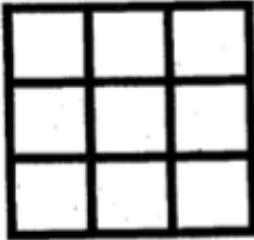
1. Activity: Measuring Area Activity
2. ***NEW!! Fun Online Practice:** Go on *ST Math* 30 minutes a day
(access through Clever) ***ST Math will be available all summer!***
3. **Fluency Practice:** See the **NEW** Multiplication Fluency Folder for instructional videos and fun games to play!



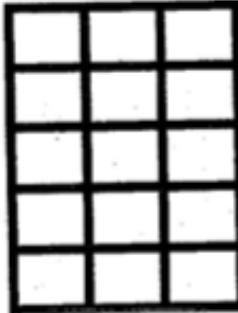
Directions:

Cut out the rectangle on the thick black line. Put your name on your flipbook cover.

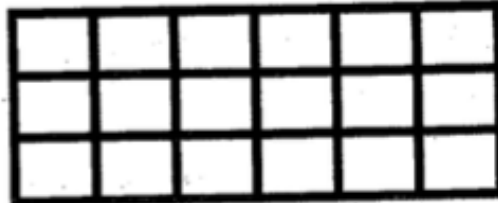
Use tiling to find the area of each figure.



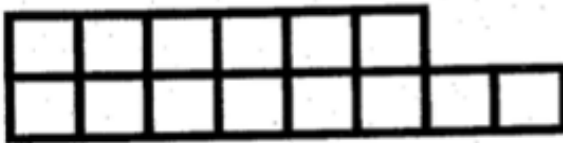
A = ___ sq. units



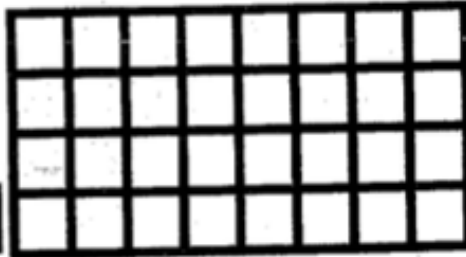
A = ___ sq. units



A = ___ sq. units



A = ___ sq. units



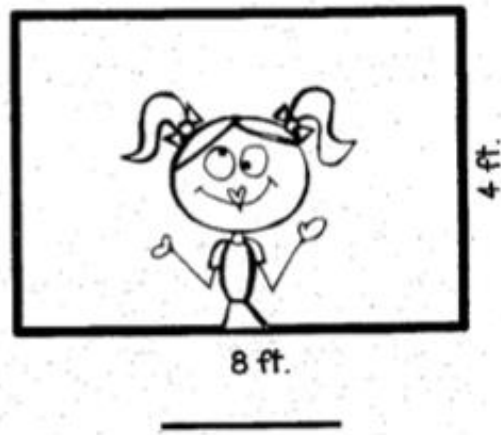
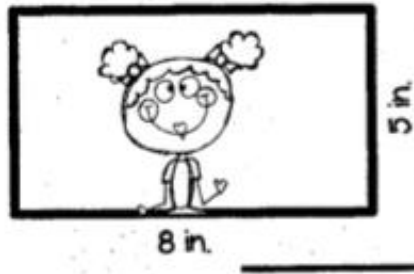
A = ___ sq. units

Finding the Area Using Tiles

Directions:

Cut out the rectangle on the thick black line.

Use multiplication to find the area of each figure.

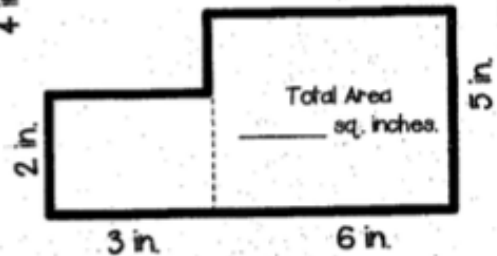
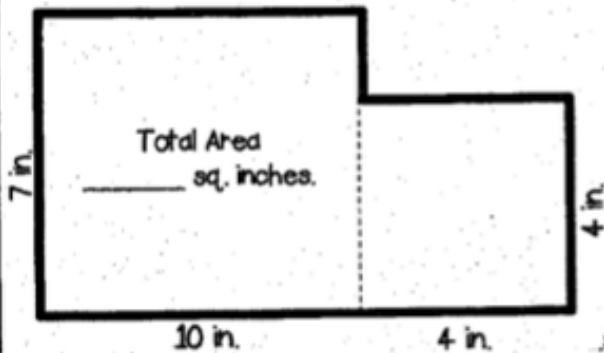
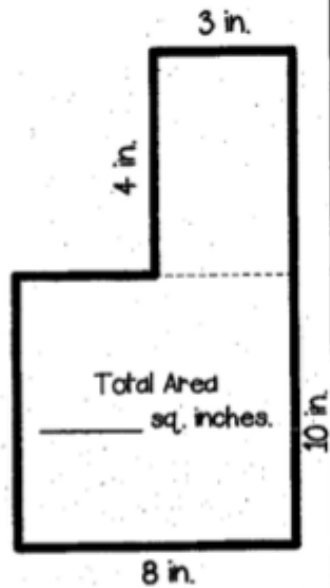
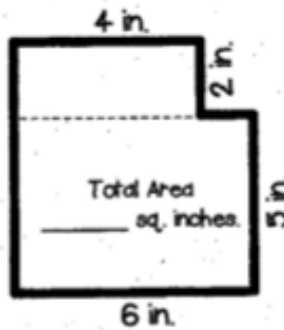
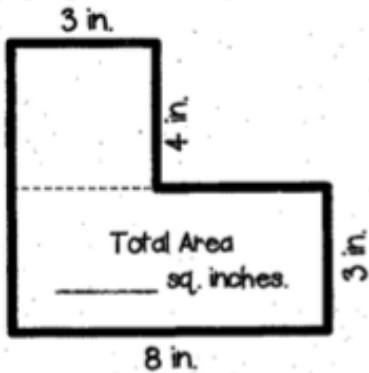


Finding the Area Using Multiplication

Directions:

Cut out the rectangle on the thick black line. This page will be used to show our learning.

Decompose each figure into two rectangular sections. Find the total area of each figure shown.



Finding the Area of Irregular Shapes

Directions:

Cut out the rectangle on the thick black line. This page will be used to show our learning.

Read each problem carefully. Solve.

1. Jamie is getting new carpet in his rectangular shaped room. His room is 10 feet wide and 9 feet long. What is the total area of his room?

_____ sq. feet

2. Susan is putting new tile on her counters. The counter is 6 feet long and 4 feet wide. How many square feet of tile should she buy?

_____ sq. feet

3. Arnold bought a rug that is 7 feet long and 5 feet wide. What is the total area of the rug that he purchased?

_____ sq. feet

4. Jason's front yard is 12 yards long and 9 yards wide. What is the total area of the yard?

_____ sq. yards

5. Ashlyn's hot tub is shaped like a square. One side of the tub measures 6 feet. What is the area of her hot tub?

_____ sq. feet

Work Space

Working with Word Problems

Measuring Area

Name: Mrs. Werk

Finding the Area Using Tiles

Finding the Area Using Multiplication

Finding the Area of Irregular Shapes

Working with Word Problems

Use tiling to find the area of each figure.

$A = 9$ sq. units

$A = 15$ sq. units

$A = 16$ sq. units

$A = 12$ sq. units

$A = 16$ sq. units

Finding the Area Using Tiles

Use multiplication to find the area of each figure.

$8 \text{ in.} \times 5 \text{ in.} = 40 \text{ sq. in.}$

$9 \text{ ft.} \times 6 \text{ ft.} = 54 \text{ sq. ft.}$

$3 \text{ in.} \times 7 \text{ in.} = 21 \text{ sq. in.}$

$6 \text{ ft.} \times 10 \text{ ft.} = 60 \text{ sq. ft.}$

$8 \text{ ft.} \times 4 \text{ ft.} = 32 \text{ sq. ft.}$

Finding the Area Using Multiplication

Decompose each figure into two rectangular sections. Find the total area of each figure shown.

$3 \times 4 = 12$
 $2 \times 3 = 6$
Total Area: 18 sq. inches.

$4 \times 2 = 8$
 $6 \times 3 = 18$
Total Area: 26 sq. inches.

$7 \times 10 = 70$
 $4 \times 4 = 16$
Total Area: 86 sq. inches.

$4 \times 3 = 12$
 $8 \times 10 = 80$
Total Area: 92 sq. inches.

$2 \times 3 = 6$
 $6 \times 5 = 30$
Total Area: 36 sq. inches.

Finding the Area of Irregular Shapes

Read each problem carefully. Solve.

1. Jamie is getting new carpet in his rectangular shaped room. His room is 10 feet wide and 9 feet long. What is the total area of his room?
90 sq. feet
2. Susan is putting new tile on her counters. The counter is 6 feet long and 4 feet wide. How many square feet of tile should she buy?
24 sq. feet
3. Arnold bought a rug that is 7 feet long and 5 feet wide. What is the total area of the rug that he purchased?
35 sq. feet
4. Jason's front yard is 12 yards long and 9 yards wide. What is the total area of the yard?
108 sq. yards
5. Ashlyn's hot tub is shaped like a square. One side of the tub measures 6 feet. What is the area of her hot tub?
36 sq. feet

A=LxW Work Space

1. $9 \times 10 = 90 \text{ sq. ft}$

2. $6 \times 4 = 24 \text{ sq. ft}$

3. $7 \times 5 = 35 \text{ sq. ft}$

4. $12 \times 9 = 108 \text{ sq. yd}$

5. $6 \times 6 = 36 \text{ sq. ft}$



Working with Word Problems