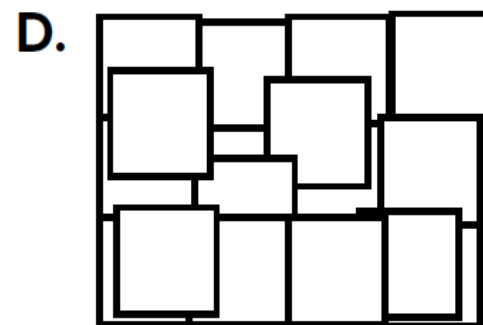# Unit 6 Review

1. Which figure is tiled correctly to find the area?

A.

B.

C.

D.
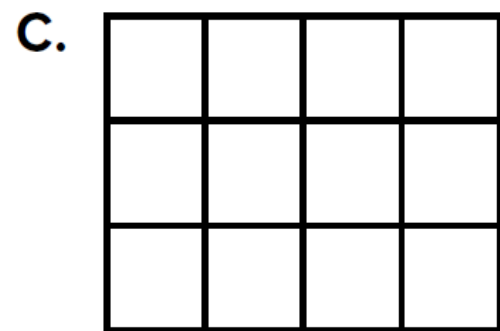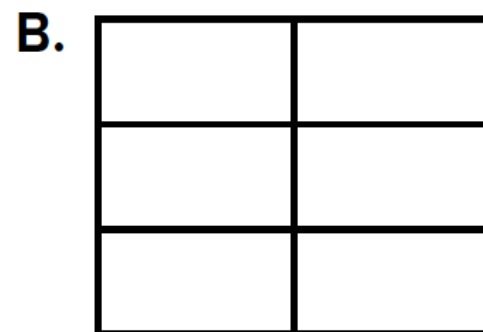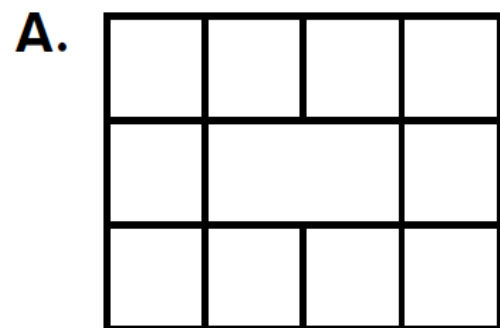
How can you complete the tiling and find the area of the figure?
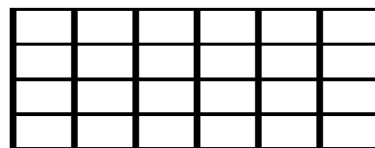
2.

$A =$ _____ square units

3.
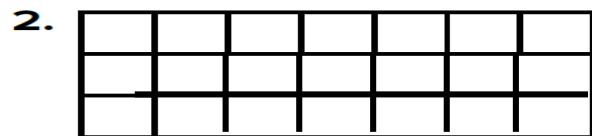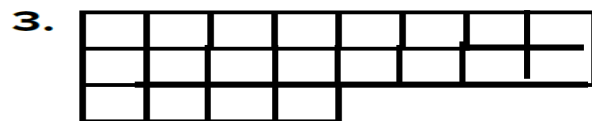
$A =$ _____ square units

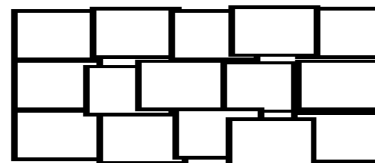**4.** What is the area of this figure?

   A. 4 square units   **B.** 6 square units

   C. 20 square units   **D.** 24 square units

5. Manon tiles a figure like this. She says, "It has 14 square units."
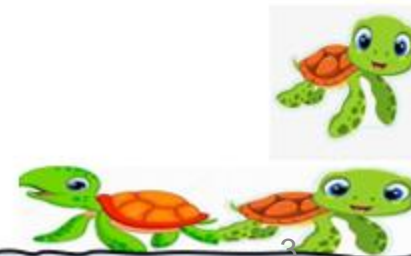
   How would you respond to Manon? Choose all that apply.

   A. Her statement is incorrect because the squares units are too small.

   B. Her statement is incorrect because there are gap between the square units.

   C. Her statement is incorrect because the square units overlap.

   D. Her statement is incorrect because she did not use square units.
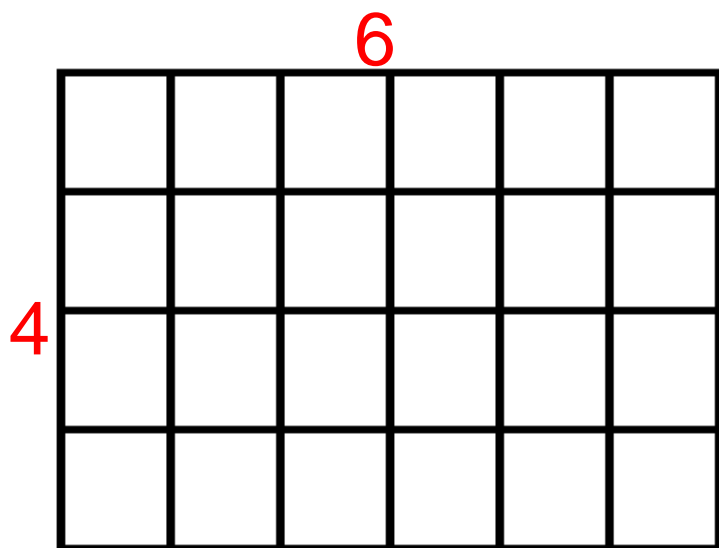

Math @ Home Activity

Cut small squares from index cards. Have your child arrange some or all of the squares to make different figures. Then have your child count the squares to find the area of the figure.

Student practice book

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What is the area of each figure?

2. ___9___ square units

1. ___24___ square units
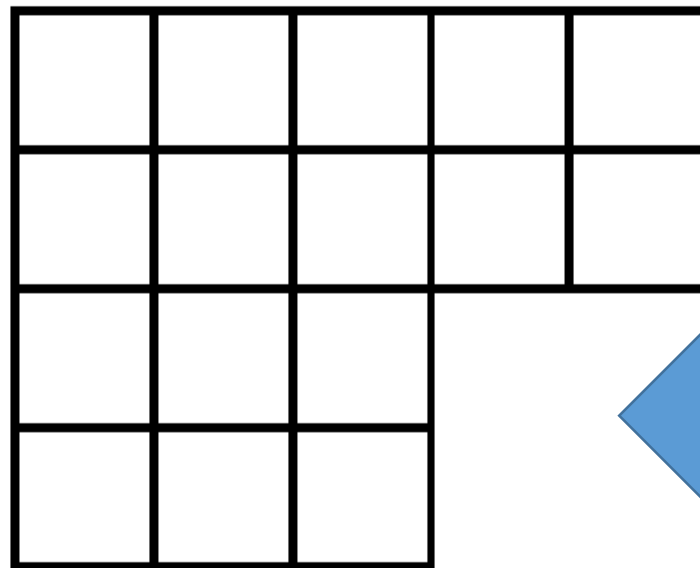
6

4

3

3

4
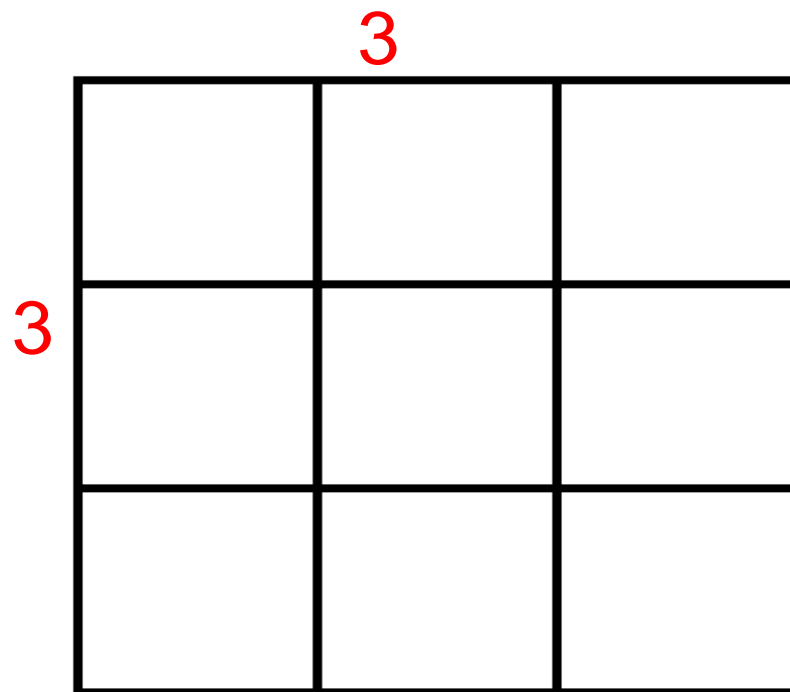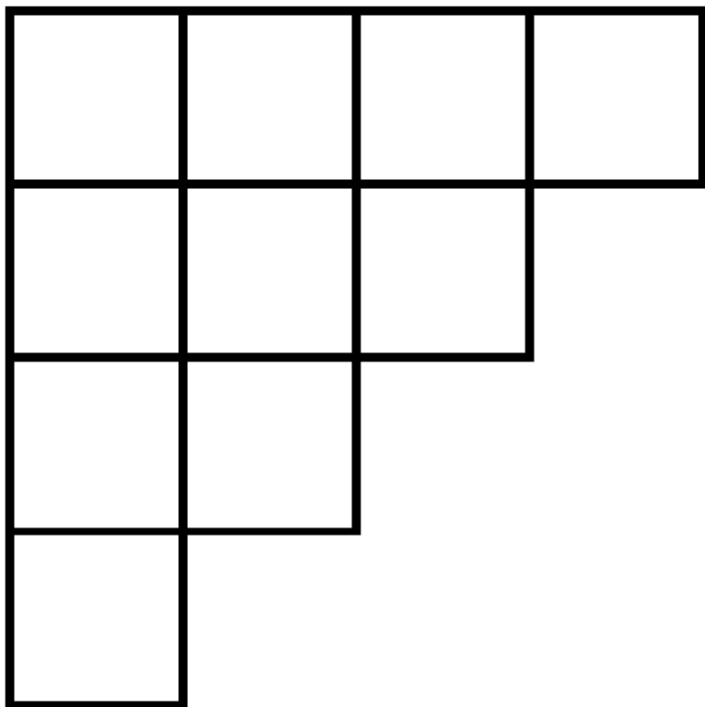
3. _____ square units

4. _____ square units

Student Practice Book

Student practice book

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General revision

Complete:

1. $18 \div \underline{9} = 2$

2. $3 \times \underline{8} = 24$

3. $15 \div \underline{5} = 3$
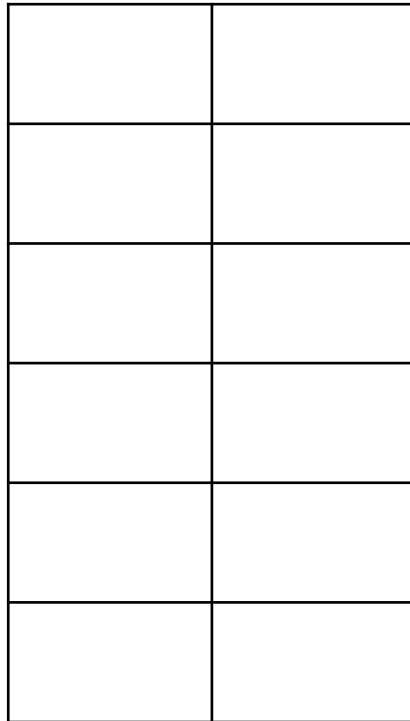
Find the area

Area = ...

What is the area of each rectangle?

1. _____ square _____

7 mm

4 mm [rectangle] 4 mm

7 mm

2. _____ square _____

9 in.

4 in. [rectangle] 4 in.

9 in.

3. _____ square _____

8 ft

2 ft [rectangle] 2 ft

8 ft

4. _____ square _____

5 cm

6 cm [rectangle] 6 cm

5 cm

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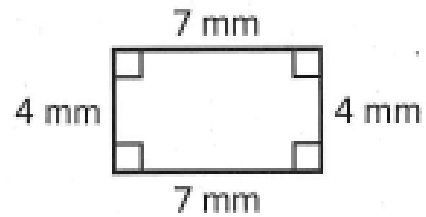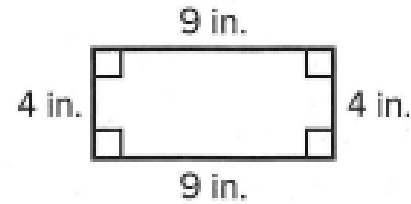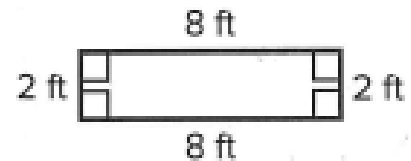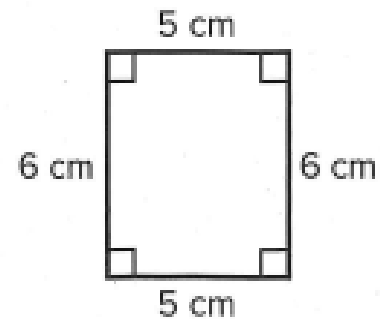
Student practice book

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8

How can you draw one or more lines to decompose the figure and find the area of the composite figure?

1.

5
2
6
3   18   25
5
11

area = ___18___ + ___25___
= ___43___ square units

2.

7
1   2
2
3   20   4
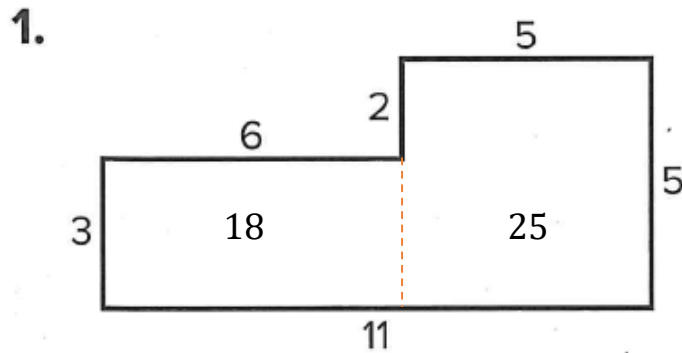5
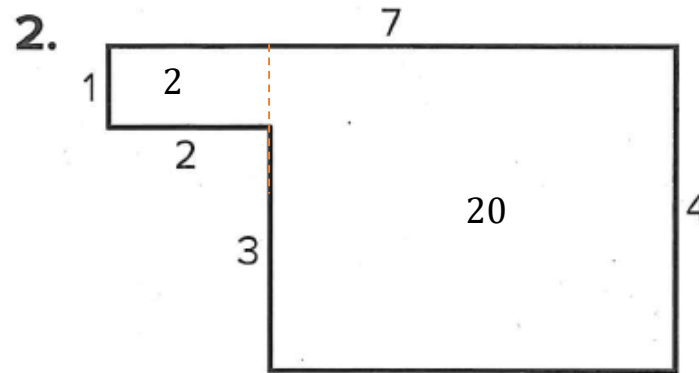
area = ___2___ + ___20___
= ___22___ square units

Student practice book

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How can you draw one or more lines to decompose the figure and find the area of the composite figure?

3.

5 cm

7 cm

6 cm

5 cm

12 cm $60\ cm^2$ 4 cm $56\ cm^2$ 8 cm

$12\ cm^2$

3

3 cm   11 cm

4.

5 in.   2 in.

5 in.

1 in.

5 in.

1 in.   5 in.

2 in.

7 in.

Student practice book
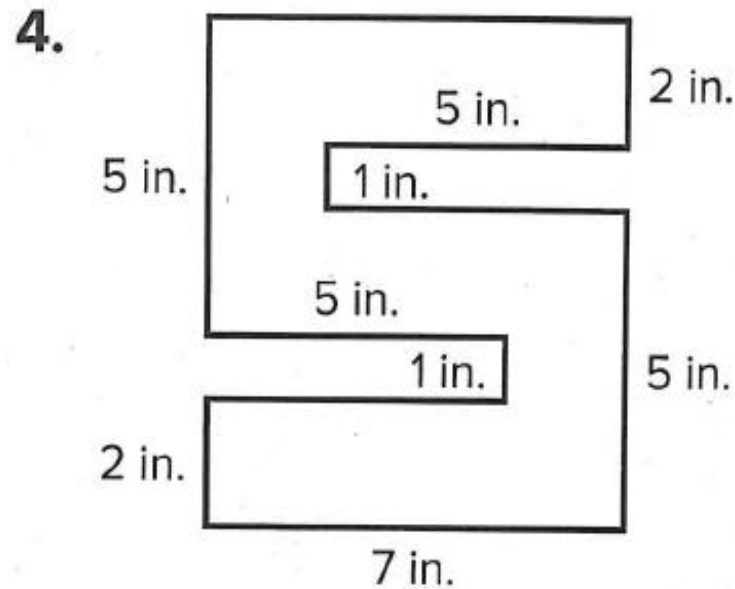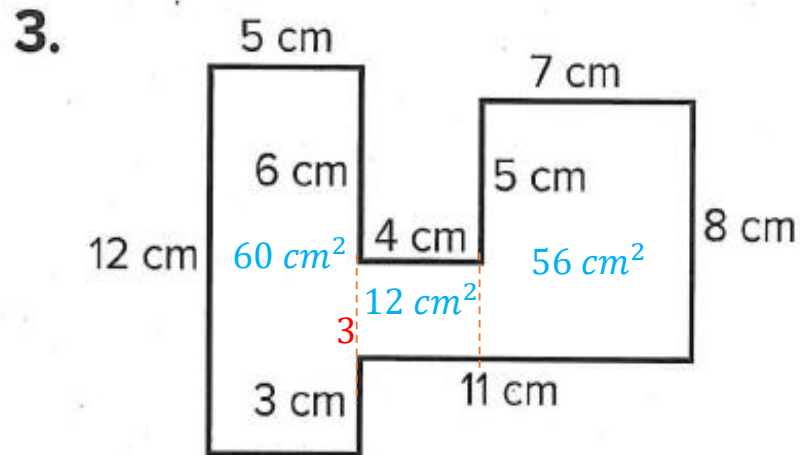
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area = _$60 + 12 + 56$_

area = _____

area is _128_ square cm

area is _____ square in.

How can you decompose to find the area of each rectangle?

1.

	10 cm	2 cm
6 cm	60	12

2.

	5 in.	7 in.
3 in.	15	21
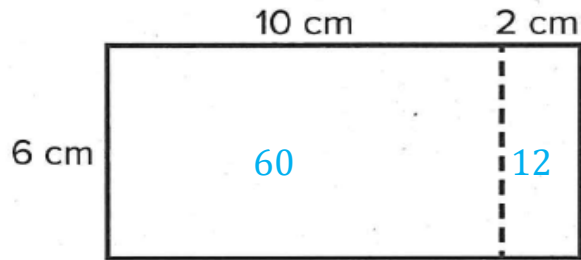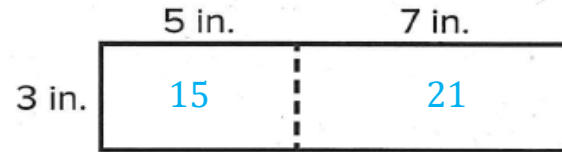
$12 \times 6 = \underline{10} \times 6 + \underline{2} \times 6$

$= \underline{60} + \underline{12}$

area = $\underline{72}$ square cm

$12 \times 3 = \underline{5} \times 3 + \underline{7} \times 3$

$= \underline{15} + \underline{21}$
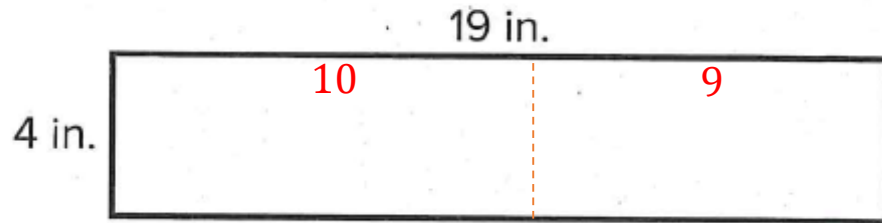
area = $\underline{36}$ square in.

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3. How can you decompose the rectangle into two smaller rectangles to find the area of the original rectangle?

19 in.

10   9

4 in.

$19 \times 4 = \underline{10} \times \underline{4} + \underline{9} \times \underline{4}$
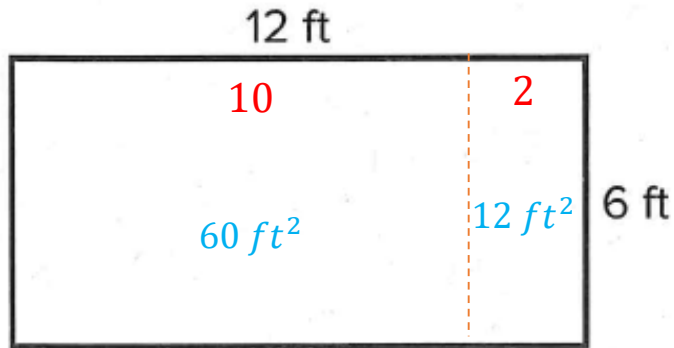
$= \underline{40} + \underline{36}$

area $= \underline{76}$ square in.

1. Elsa buys a rug for her bedroom. It is 12 feet long and 6 feet wide. What is the area of the rug?

12 ft

10   2

60 ft^2 12 ft^2 6 ft

$$60 + 12 = 72\ ft^2$$
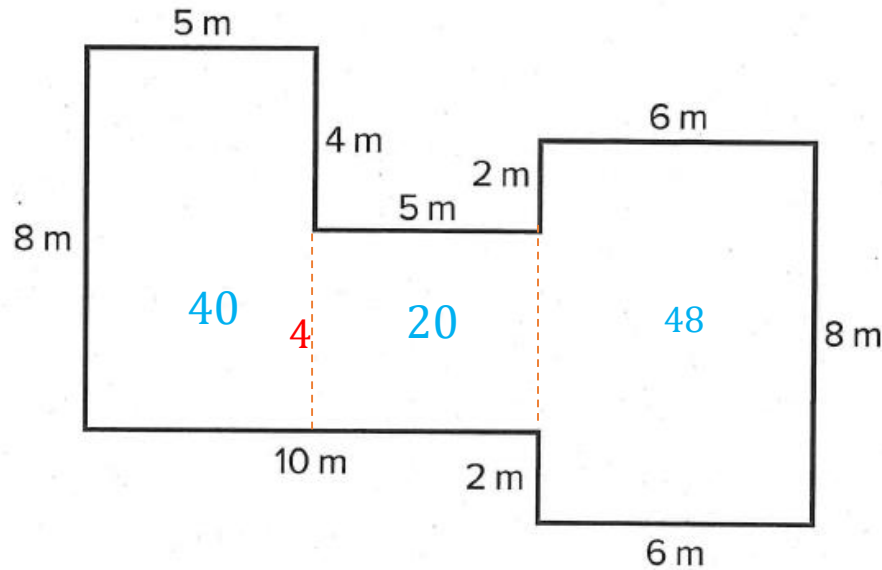
_____72_____ square feet

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2. Kylo designs a space in a park for picnics and playgrounds
What is the area of the space he designs?

5 m

6 m

4 m

2 m

5 m

8 m

40   4   20   48   8 m

10 m   2 m

6 m

Student practice book

_108_ square meters

$$40 + 20 + 48 = 108 \, m^2$$

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