26.01.21

IALT: find the area of a shape.

6 x 3 x 9 =

Short Multiplication

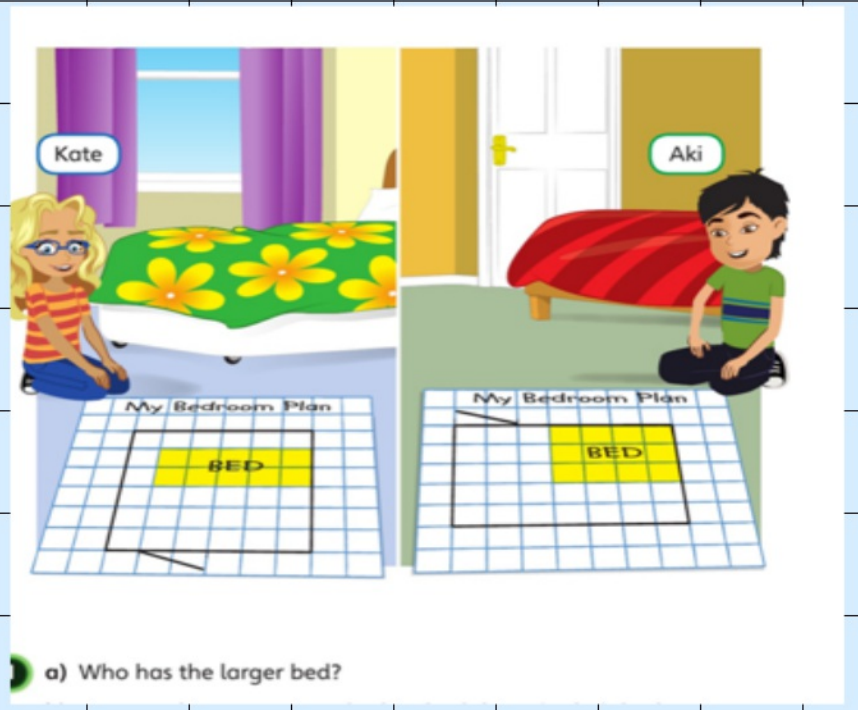
23 x 4 =

Long Multiplication

412 x 6 =

Bus Stop

693 ÷ 6



https://www.topmarks.co.uk/maths-games/daily10

ANSWERS

26.01.21

IALT: find the area of a shape.

6 x 3 x 9 = 162

Short Multiplication

23 x 4 = 92

Long Multiplication

412 x 6 = 2472

Bus Stop

693 ÷ 6 = 115r3

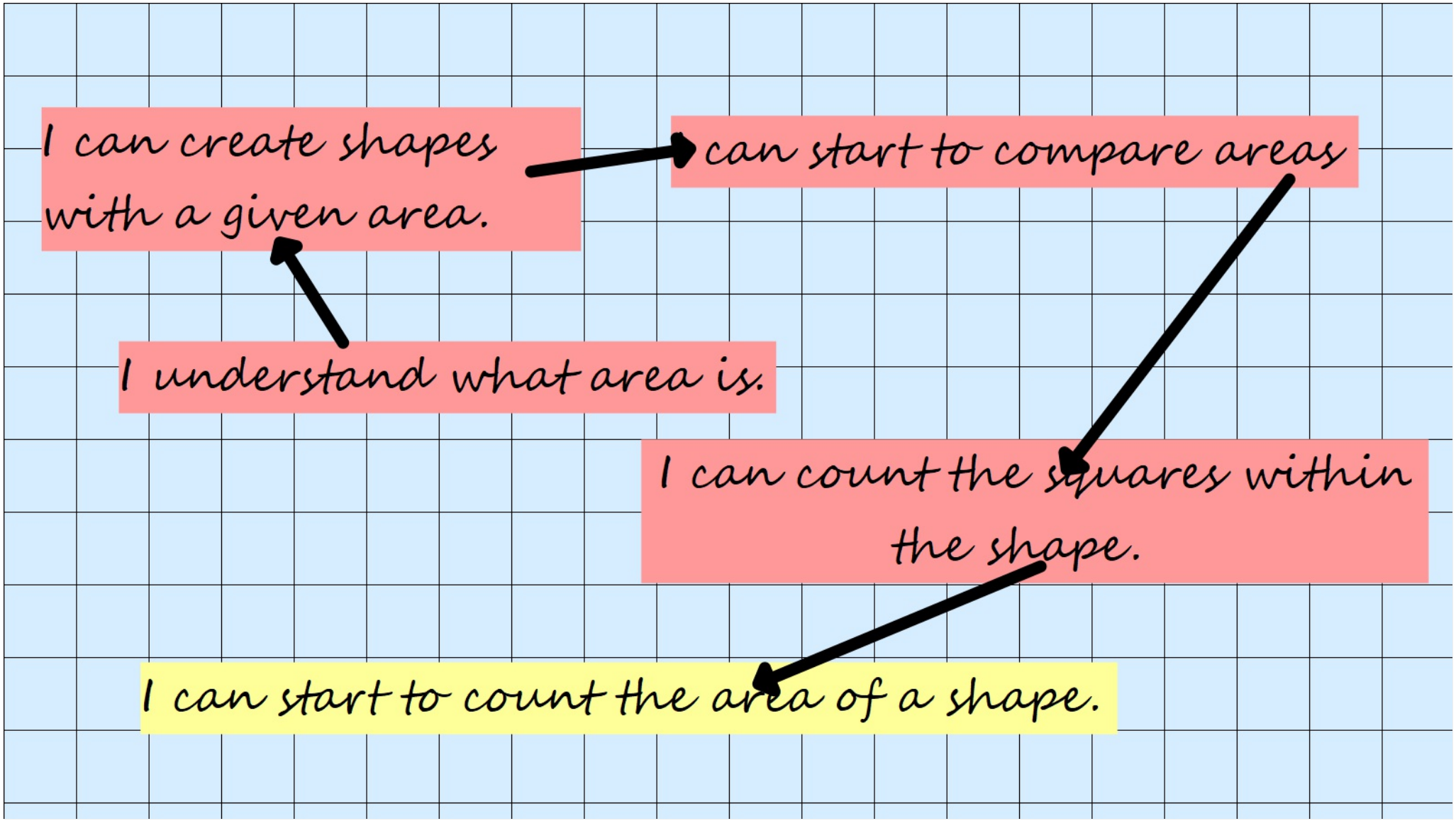
https://www.topmarks.co.uk/maths-games/daily10

Daily Counting

10

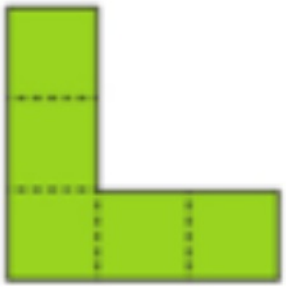
8

7

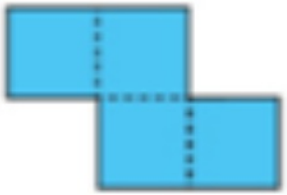

I can create shapes with a given area.
can start to compare areas
I understand what area is.
I can count the squares within the shape.
I can start to count the area of a shape.

1 Count the squares in each shape to find the area.

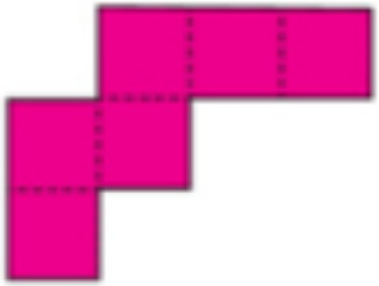
Shape A



Shape B



Shape C



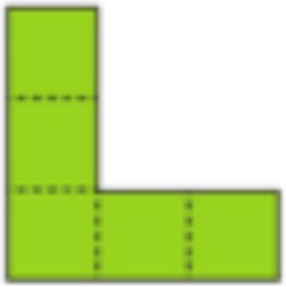
The area of Shape A is ☐ squares.

The area of Shape B is ☐ squares.

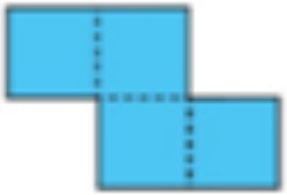
The area of Shape C is ☐ squares.

1 Count the squares in each shape to find the area.

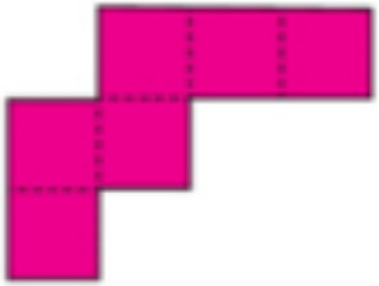
Shape A



Shape B



Shape C



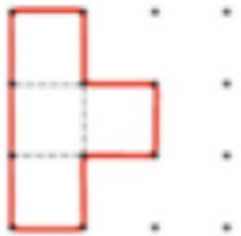
The area of Shape A is 5 squares.

The area of Shape B is 4 squares.

The area of Shape C is 6 squares.

How can we work this out when some shapes do not have squares?

2 What is the area of these shapes?

A 

B 

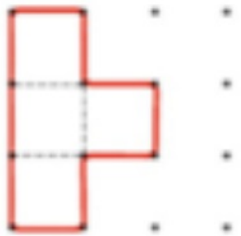
C 

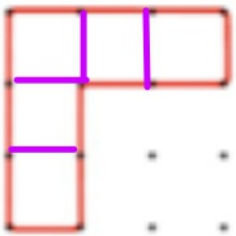
Shape	Area
A	
B	
C	

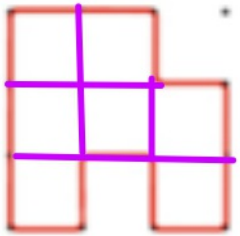
78

How can we work this out when some shapes do not have squares?

2 What is the area of these shapes?

A 

B 

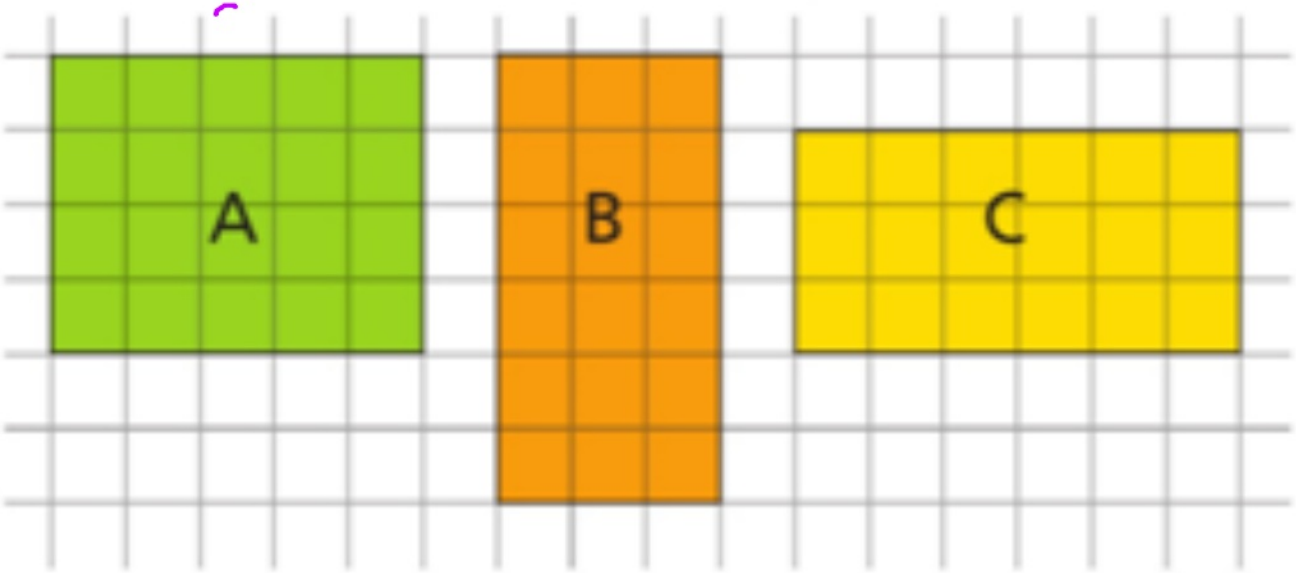
C 

Shape	Area
A	4
B	5
C	7

78

What are the different areas?

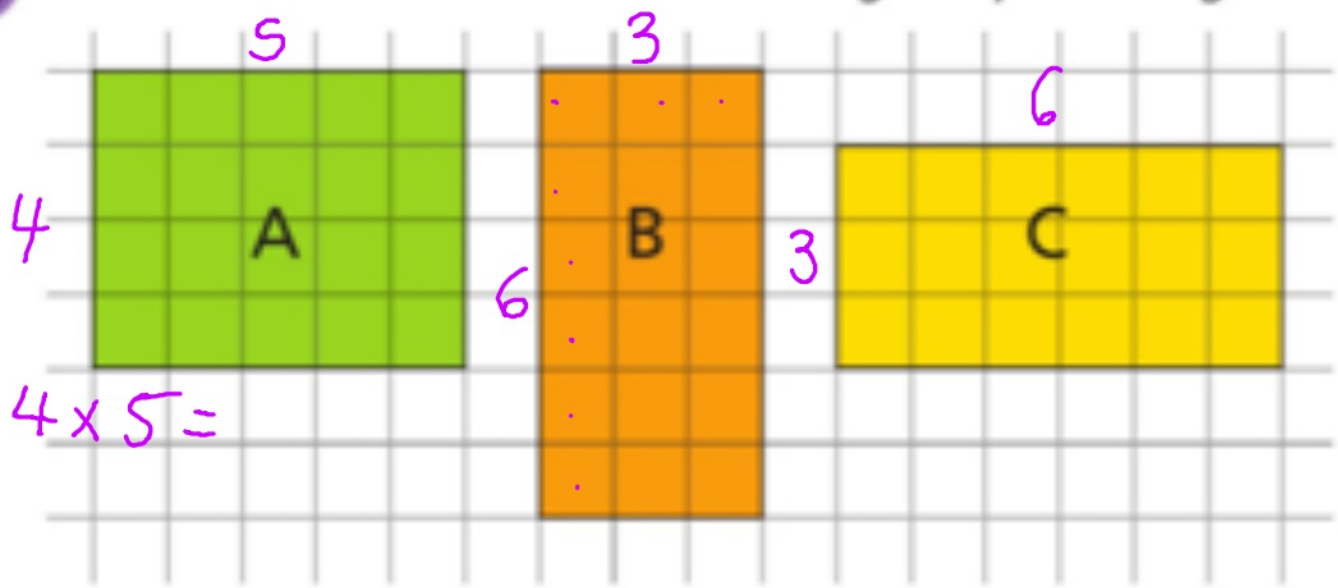
1 Find the areas of these three rectangles by counting the squares.



A = ☐ squares B = ☐ squares C = ☐ squares

What are the different areas?

1 Find the areas of these three rectangles by counting the squares.

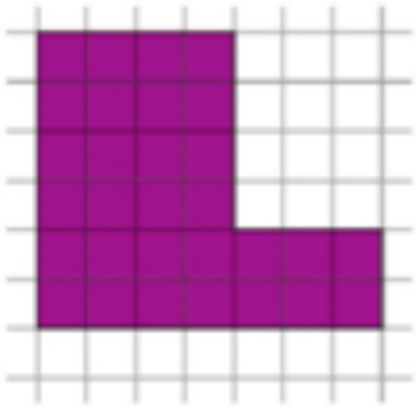


A = 20 squares B = 18 squares C = 18 squares

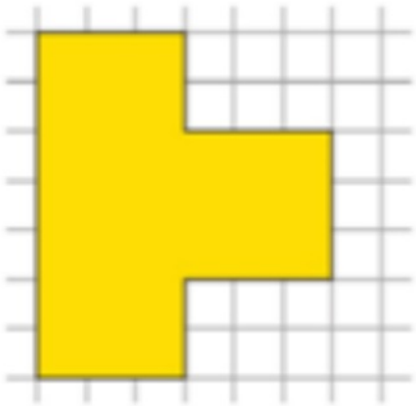
Can I still work out the area if I can not see the squares?

2 Work out the areas of these two rectilinear shapes.

A



B



A = ☐ squares

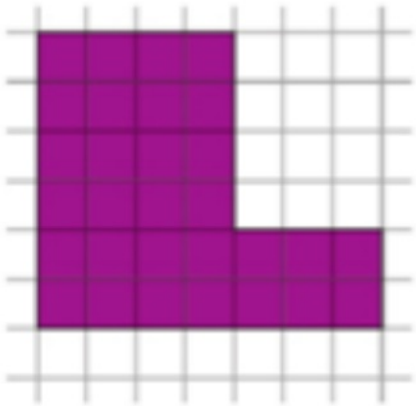
B = ☐ squares

A rectilinear shape is a shape with straight sides that always meet at right angles. Squares and rectangles are rectilinear shapes.

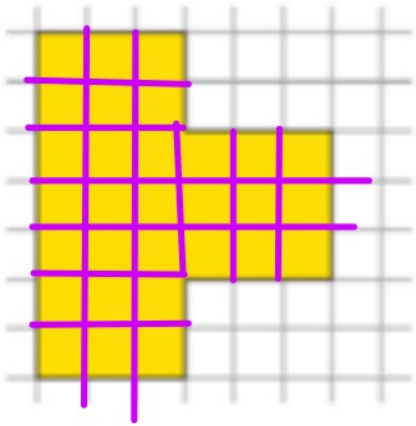
Can I still work out the area if I can not see the squares?

2 Work out the areas of these two rectilinear shapes.

A



B



A = 30 squares

B = 30 squares

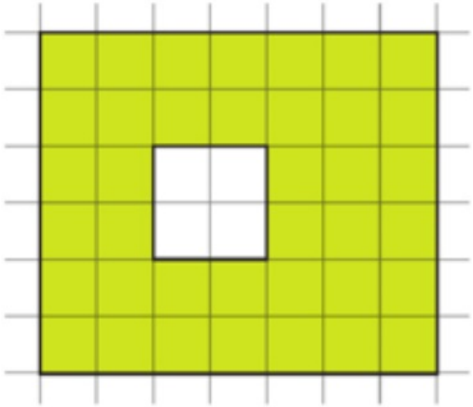
A rectilinear shape is a shape with straight sides that always meet at right angles. Squares and rectangles are rectilinear shapes.

How would you use subtraction?

How can we use multiplication to help us?

CHALLENGE

3 Explain to a partner how you would calculate the area of the shaded shape.



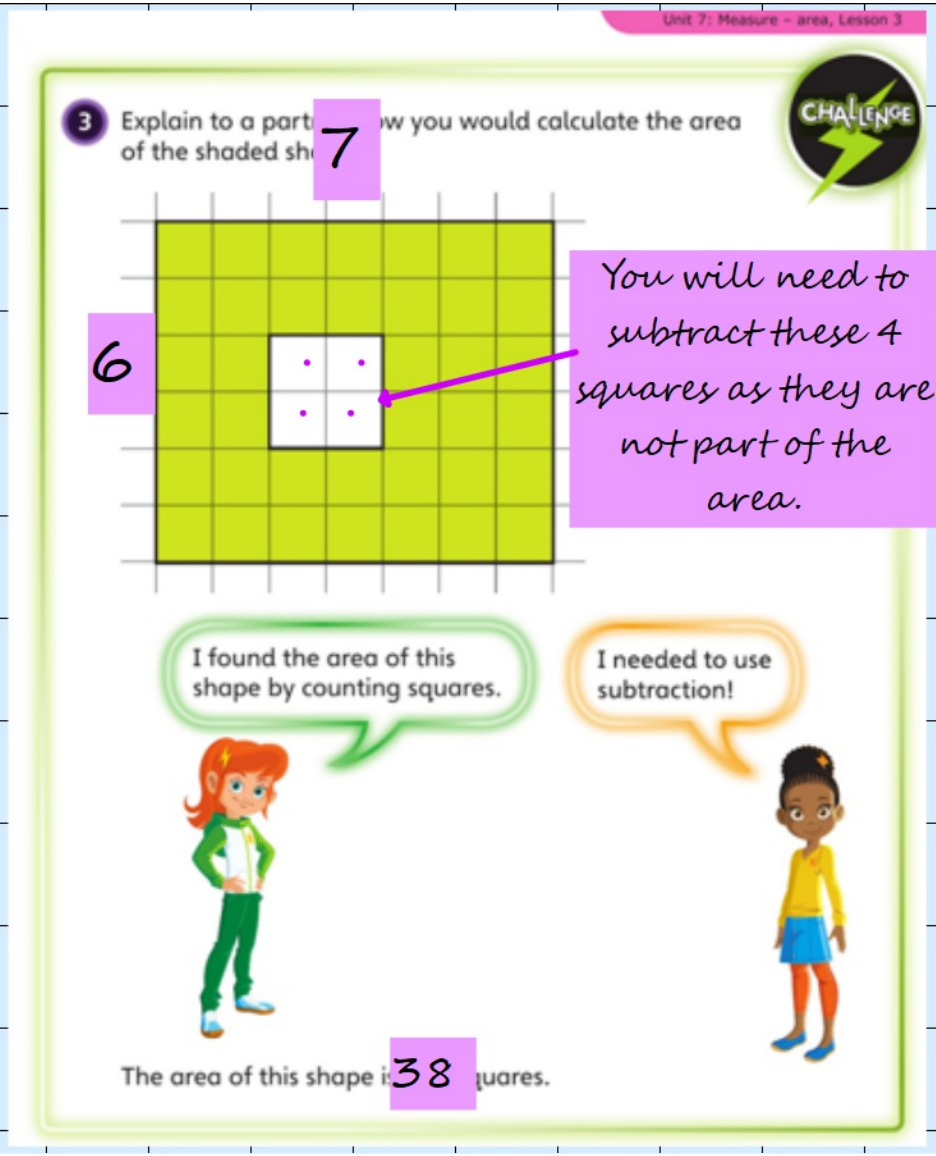
The area of this shape is ☐ squares.

How would you use subtraction?

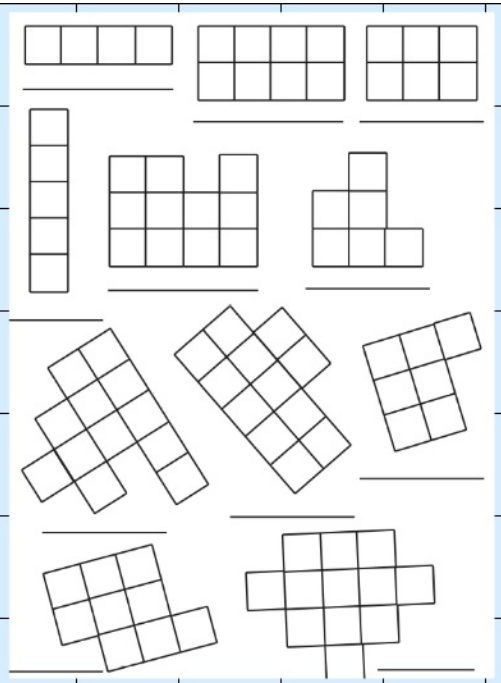
How can we use multiplication to help us?

$7 \times 6 = 42$

$42 - 4 = 38$

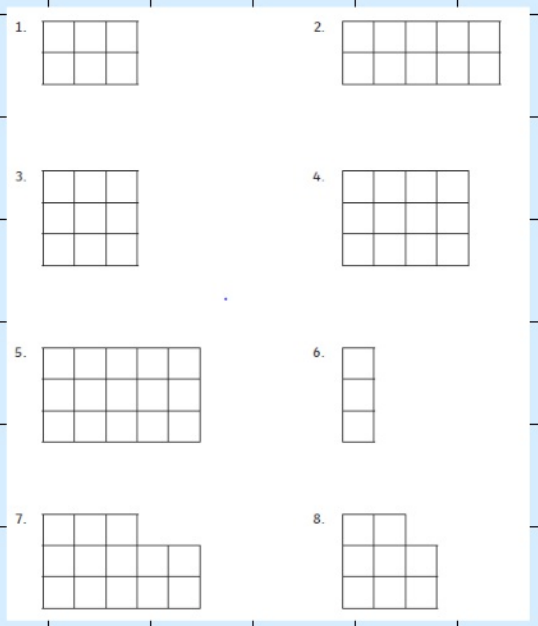


Mild:

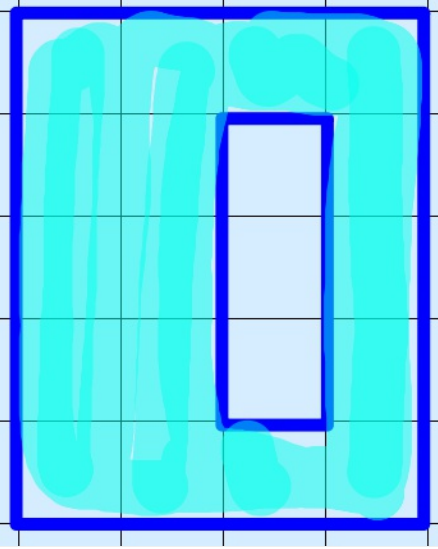


Find the area for each shape. This shape has an area of ___ squares.

Spicy:

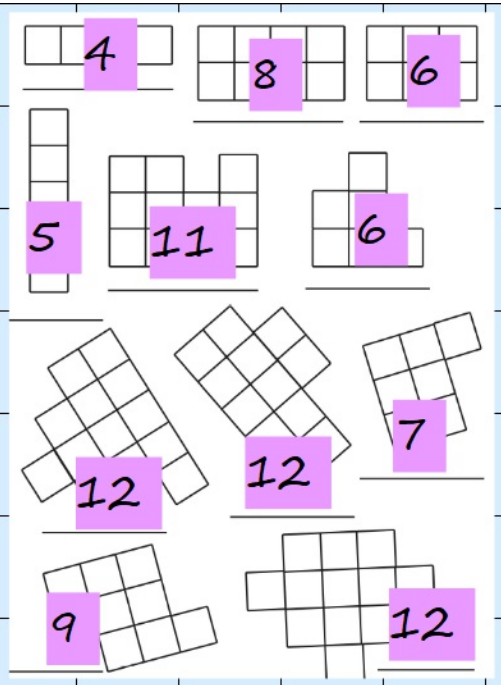


Use the x method.



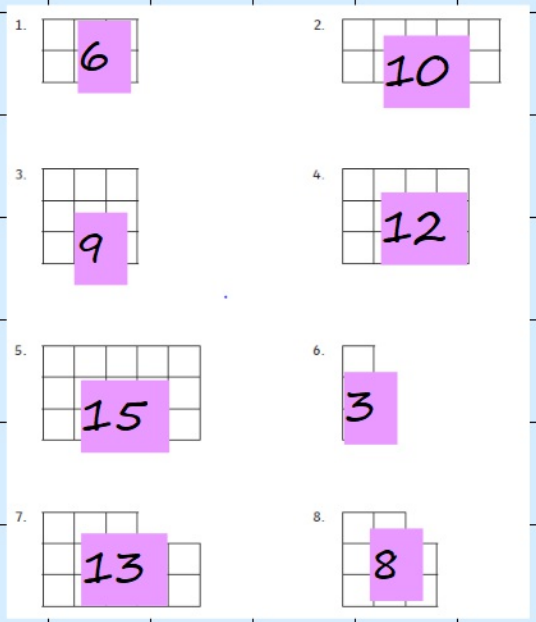
Hot: Use subtraction method to find the area of shapes with holes. You are to draw these shapes. Please use a ruler

Mild:



Find the area for each shape. This shape has an area of ___ squares.

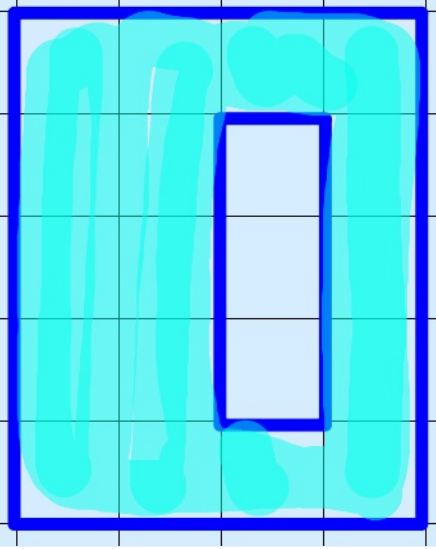
Spicy:



Use the x method.

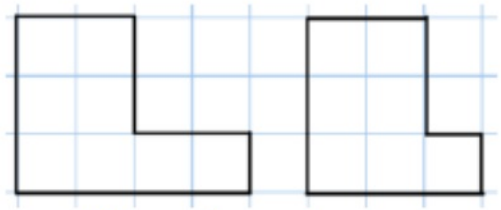
ANSWERS:

Hot: Use subtraction method to find the area of shapes with holes. You are to draw these shapes. Please use a ruler



Mild:

Complete the sentences for each shape.



The area of the shape is ____ squares.

Spicy:

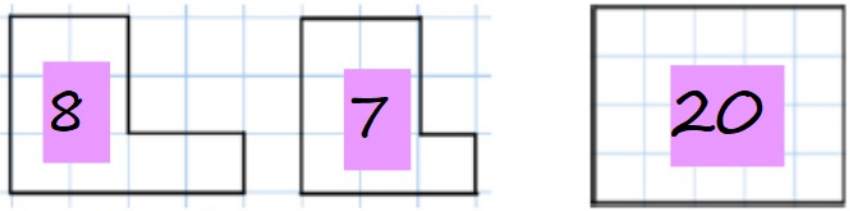
Dexter has taken a bite of the chocolate bar.

The chocolate bar was a rectangle.
Can you work out how many squares of chocolate there were to start with?

ANSWERS:

Mild:

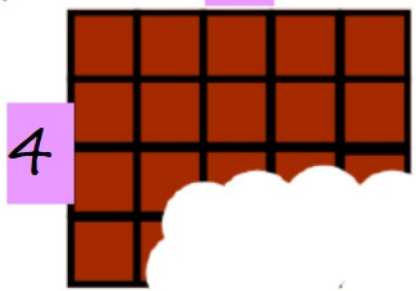
Complete the sentences for each shape.



The area of the shape is ____ squares.

Spicy:

Dexter has taken 5 of the chocolate bar.



The chocolate bar was a rectangle.
Can you work out how many squares of chocolate there were to start with?

5 x 4 = 20