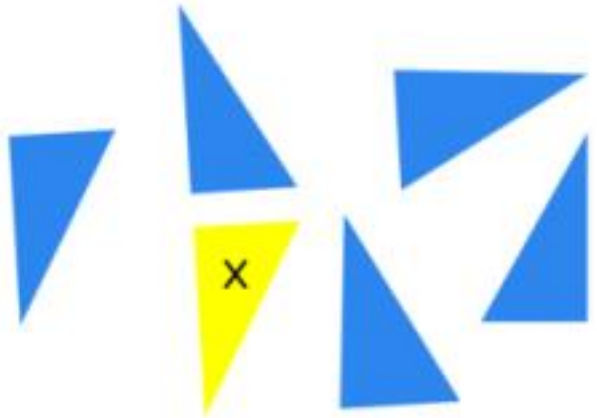
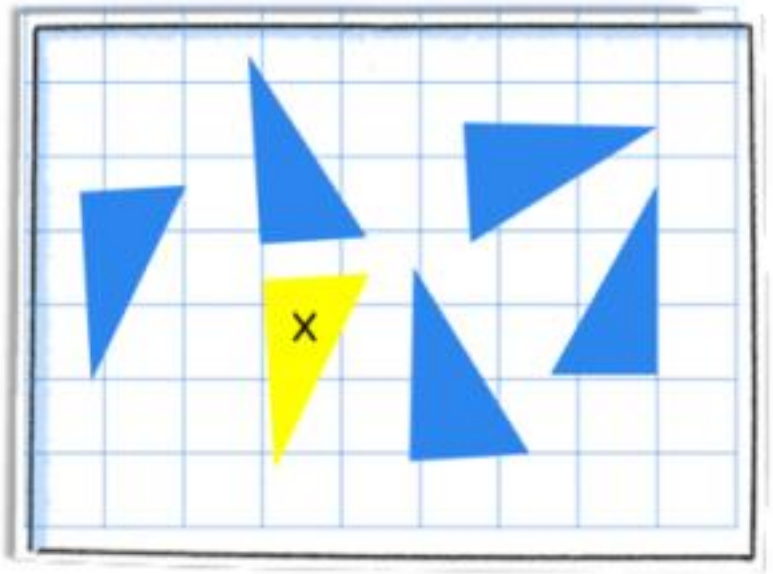
Warm your brains up thinking about the following questions:

Warm Up Challenge

1. Circle the triangle that is a reflection of triangle X.

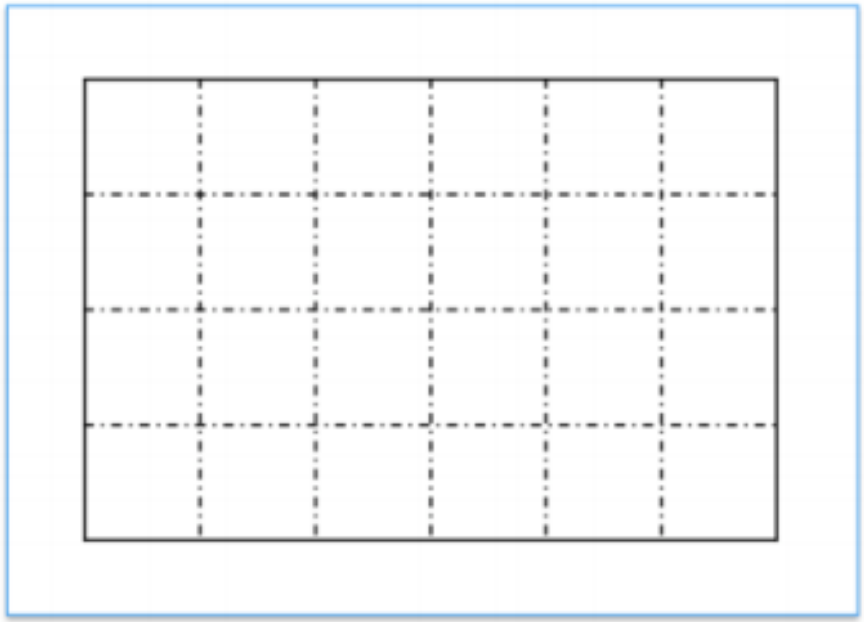


2. Tick the triangle that is a translation of triangle X.



Understand the meaning of the word area

Find the area of this rectangle by counting squares.

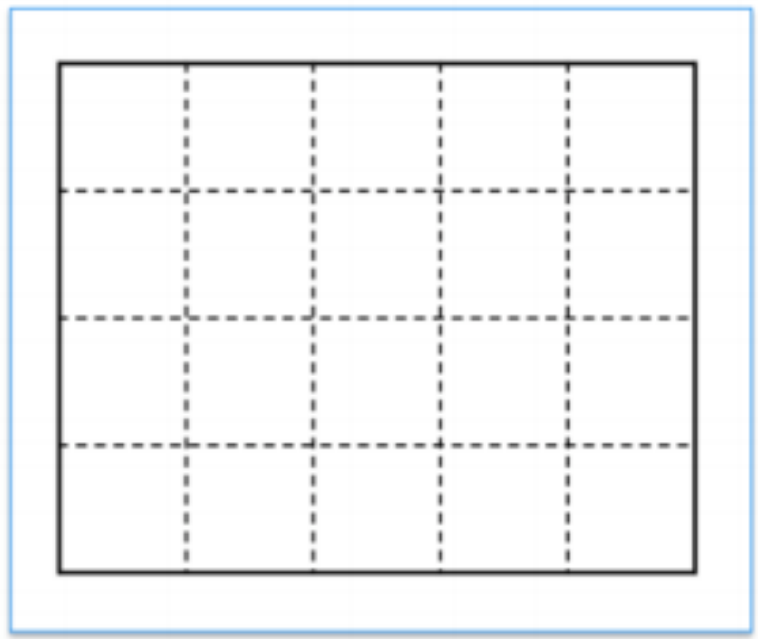


Area = ☐ squares

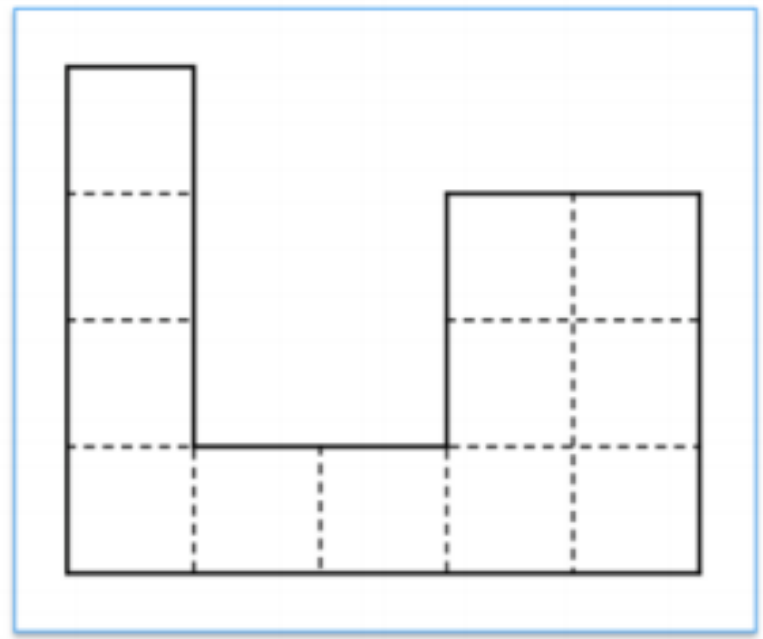
Understand the meaning of the word area

These shapes are both 5 squares long and 4 squares high.

What is the area of each shape?



Area = ☐ squares

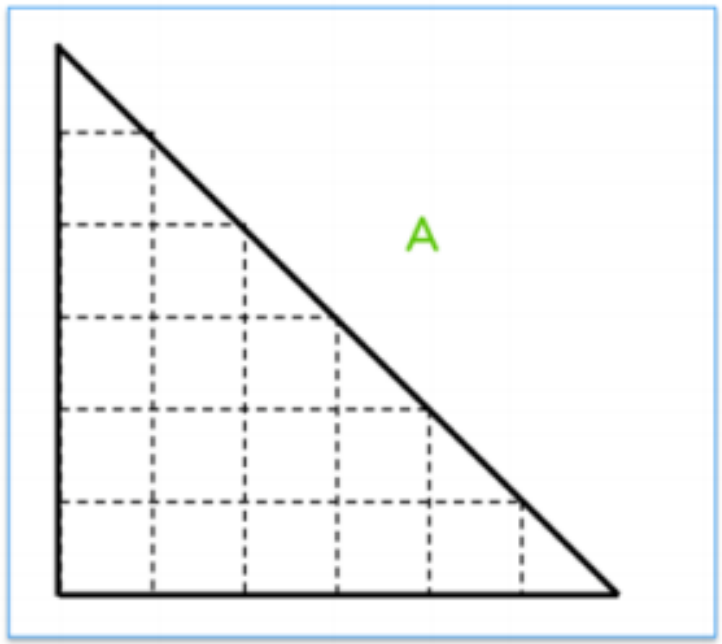


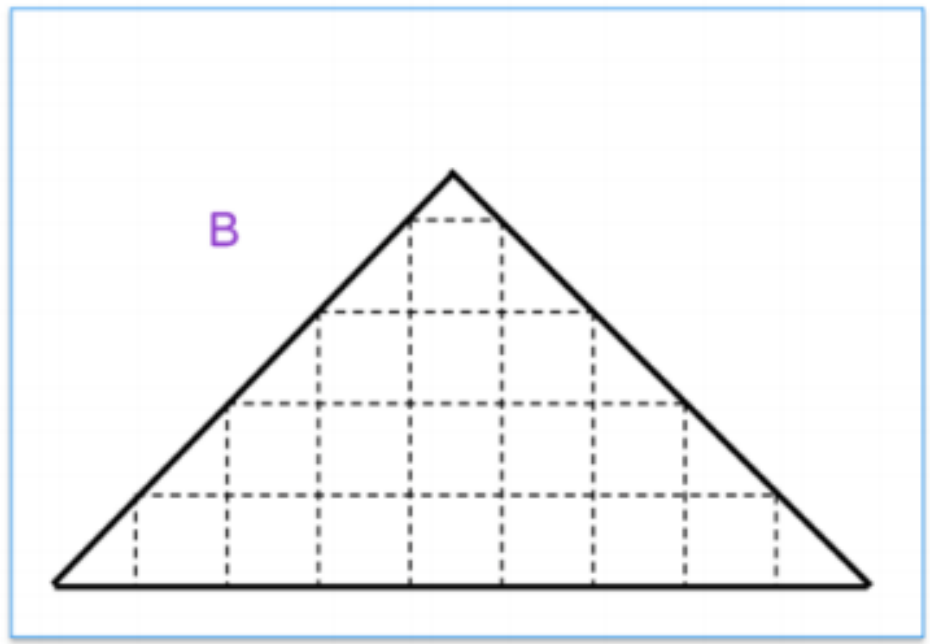
Area = ☐ squares

Count whole and part squares

Guess which shape is bigger. ☐

Check your answer by carefully working out the area of each shape.



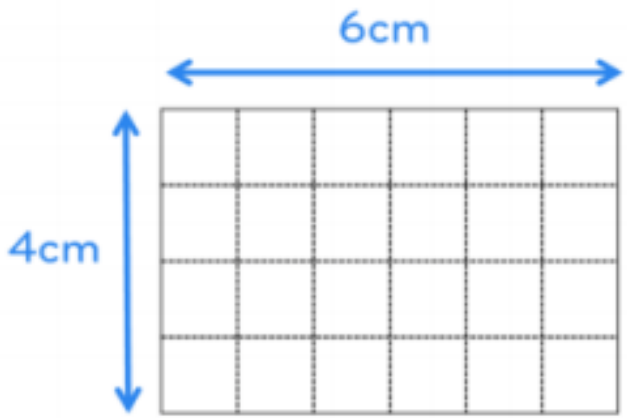


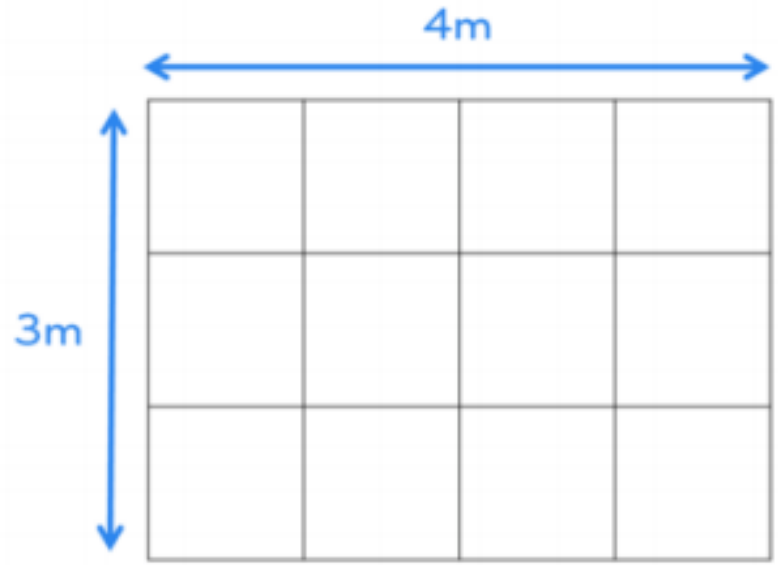
Area = ☐ squares

Area = ☐ squares

Calculate areas of rectangles using square cm and square m

Find the areas of these rectangles (drawings are not to scale).



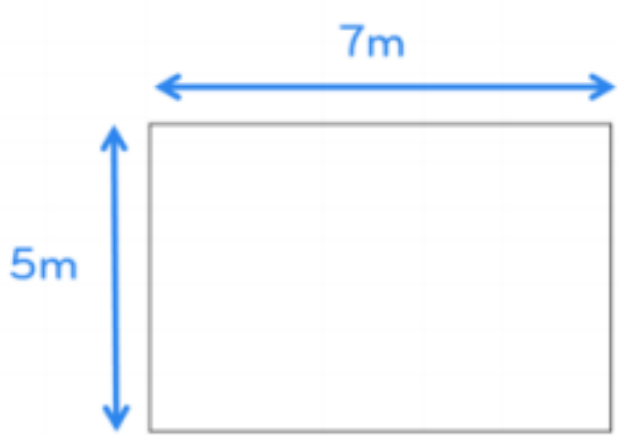


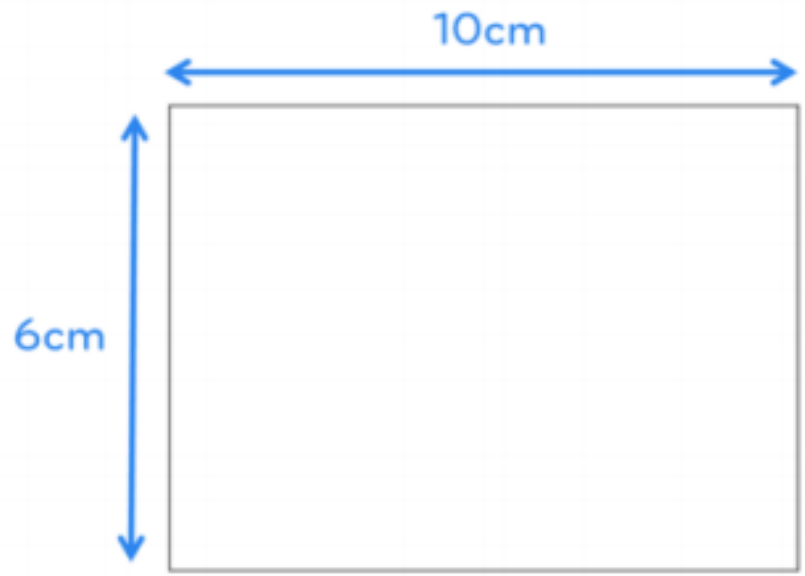
Area = ____ cm^2

Area = ____ m^2

Calculate areas of rectangles using square cm and square m

Find the areas of these rectangles (drawings are not to scale).





Area = m^2

Area = cm^2

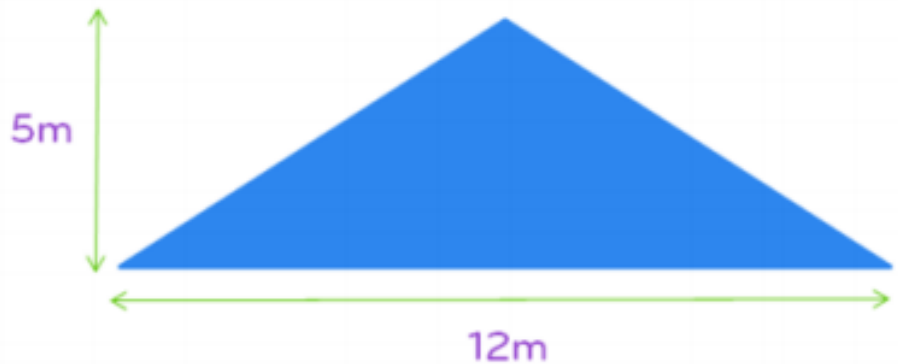
Check you've written the units correctly

Use the formula for finding the area of triangles

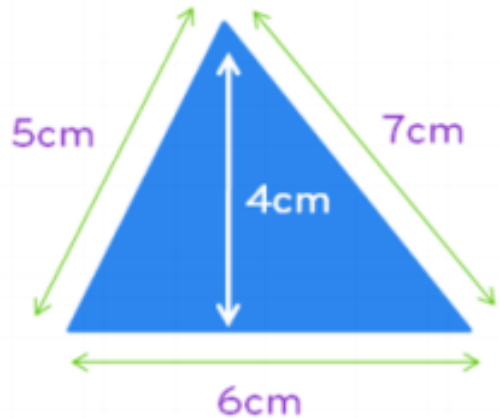
Find the areas of these triangles using the formula:

$$\text{Area of a triangle} = \frac{\text{base} \times \text{height}}{2}$$

1.



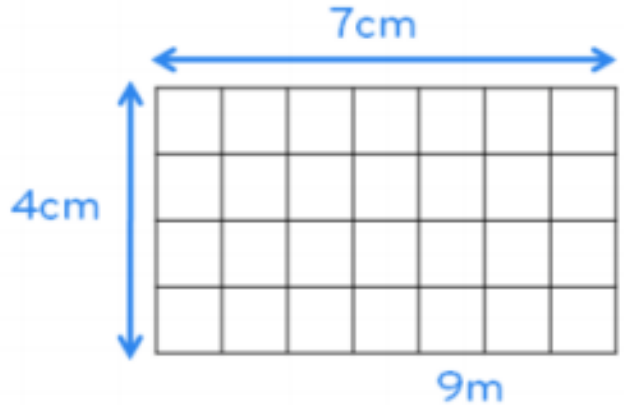
2.



Practice time

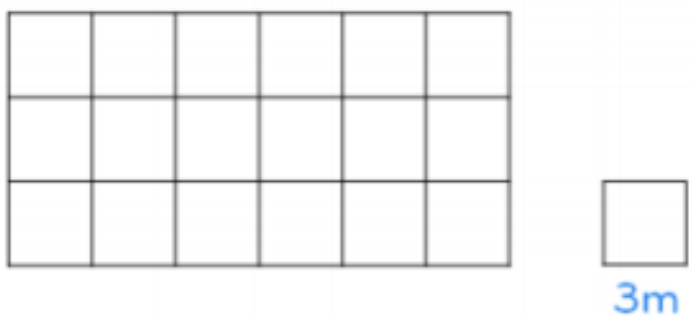
Find the area of each shape. Don't forget to write your units.

1.



2.

3.



Practice time

3. A table cloth is 3m wide and 5m long.
What is the area of the table cloth.

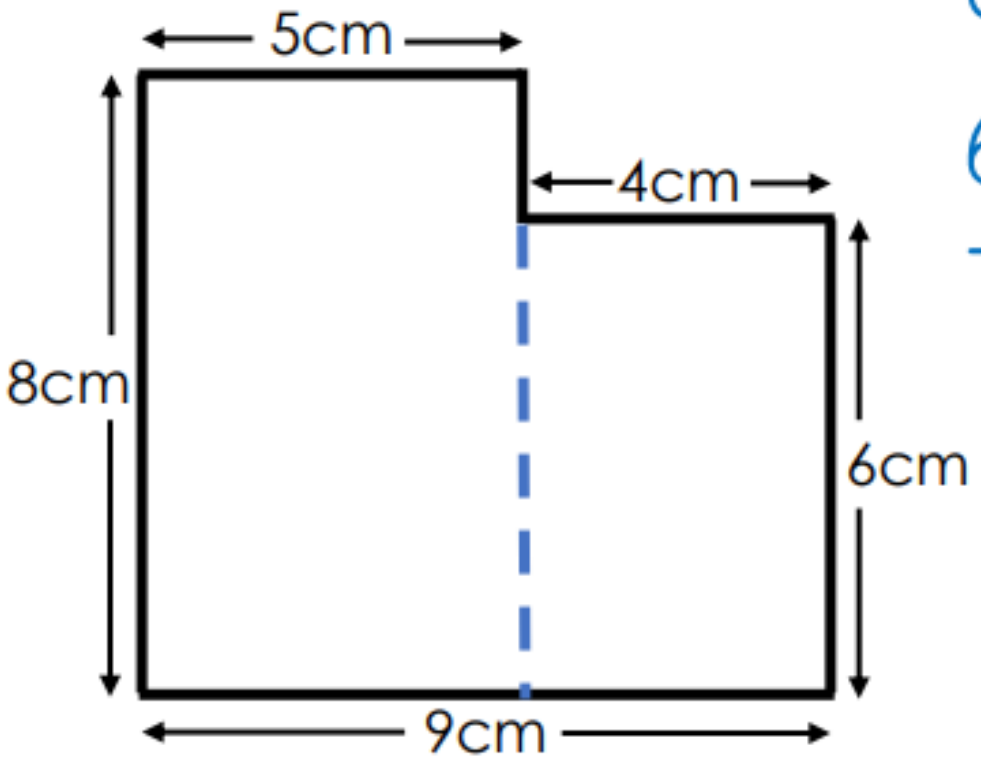
4. Which of these numbers of squares can't be arranged to make a big square? Circle the answer.

49 16 25 100 8 9

Tickle that brain of yours a little further with the following mastery question…

Spot the mistake

What is the area of the shape?



$9 \times 8 = 72$

$6 \times 4 = 24$

$72 + 24 = 96\text{cm}^2$