Year Five
Maths
Lesson 2

Fluency Starter

- Keep up your daily practice of 5 a day https://corbettmathsprimary.com/5-a-day/ and challenge yourself to Bronze, Silver, Gold or Platinum!

- Or Complete Flashback 4 for your daily starter (on the next slide).

- Log on to Doodlemaths for 15 minutes each day and try and keep in the Green Zone.

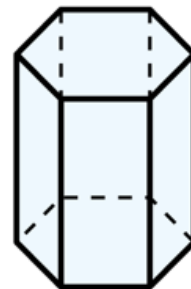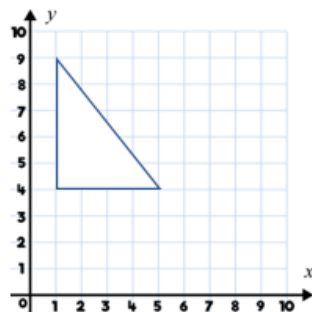- There are also some Maths activities on Purple Mash to complete.

Fluency Starter

1) What are the coordinates of the vertices of the triangle?

2) What is the size of each angle in an equilateral triangle.

3) If an angle is 96°, what type of angle is it?

4) Find the missing number $40 \times \boxed{} = 2,400$

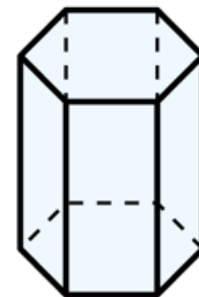White Rose Maths

Fluency Starter Answers

1) What are the coordinates of the vertices of the triangle?

(1, 4) (1, 9) (5, 4)

2) What is the size of each angle in an equilateral triangle.

60°

3) If an angle is 96°, what type of angle is it? Obtuse

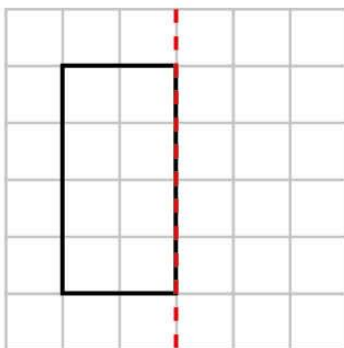4) Find the missing number 40 × ☐ = 2,400 60

White Rose Maths

Lesson Aims

- I can reflect shapes in a mirror line
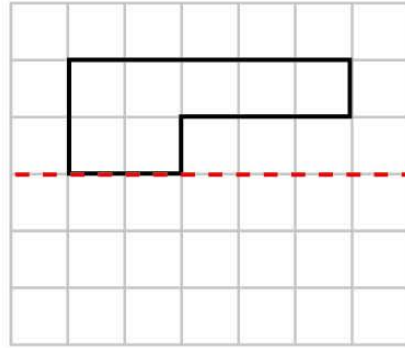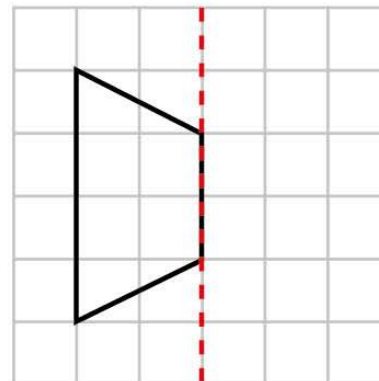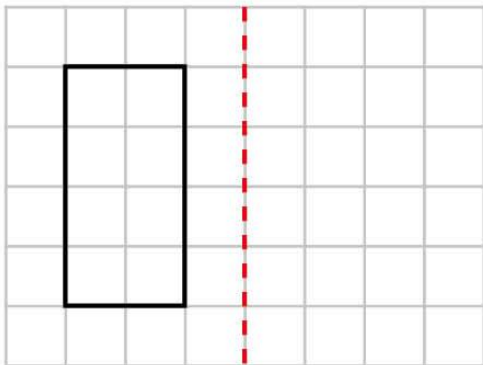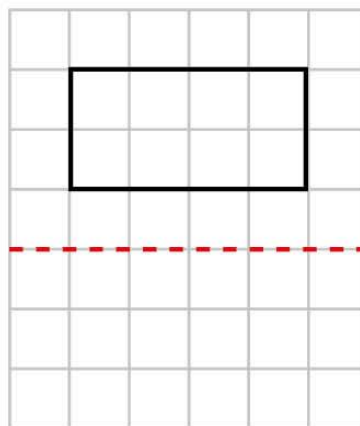
1 Reflect each shape in the mirror line.

a)

c)

b)

d)

1

e)

f)

2 Reflect each shape in the mirror line.
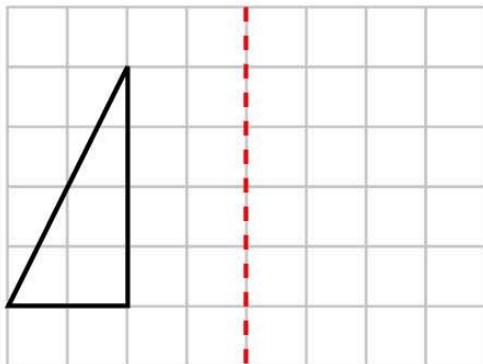
a)

c)

b)

d)

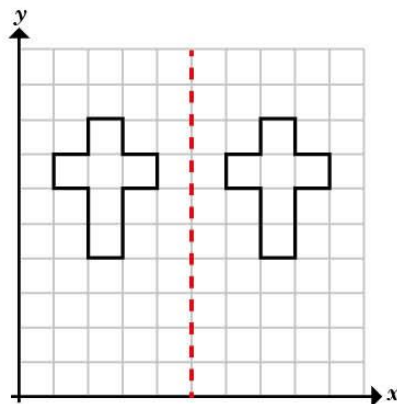e)

f)
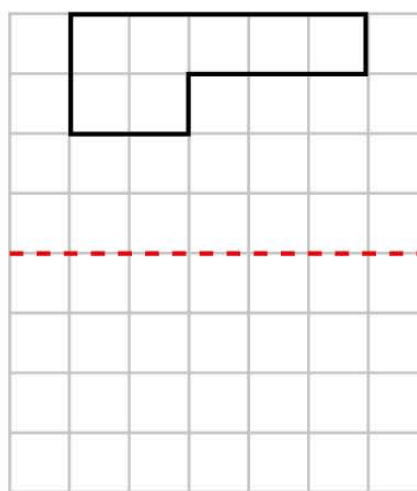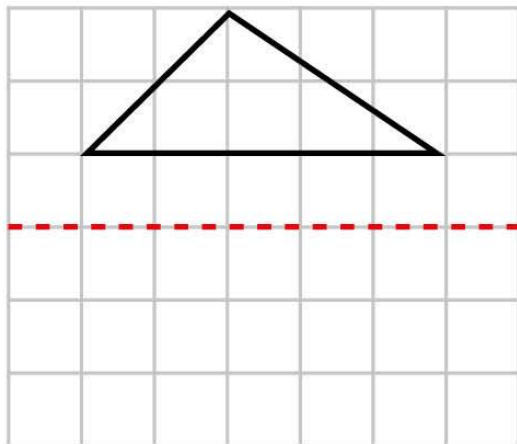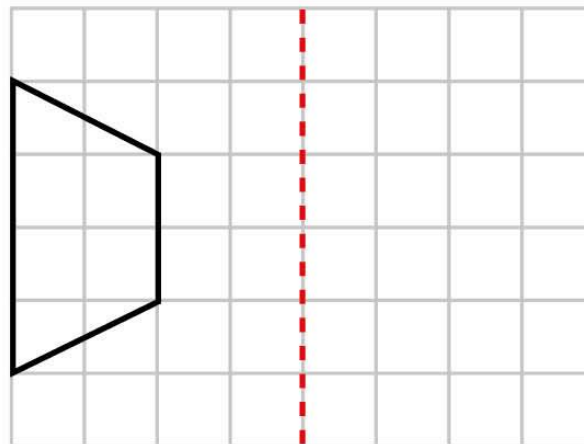
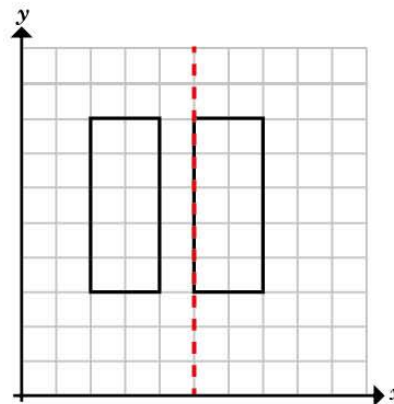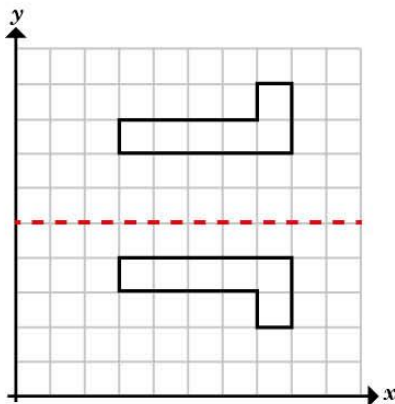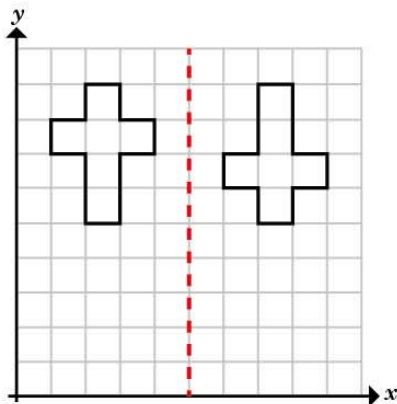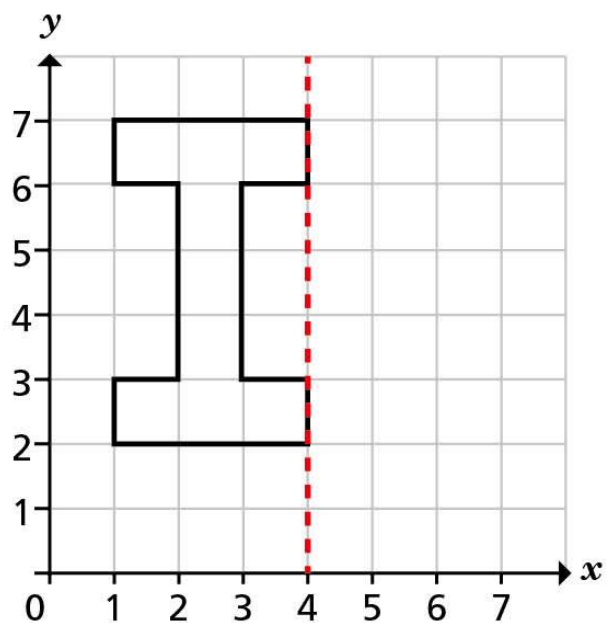**3** Which diagrams show a correct reflection in the given mirror line?

Tick your answers.
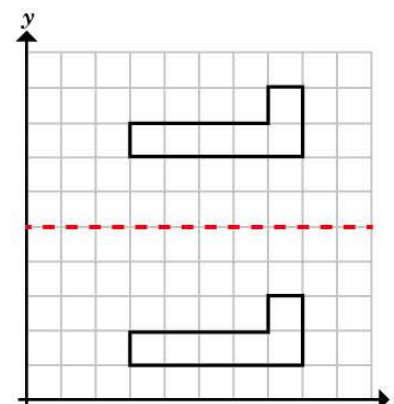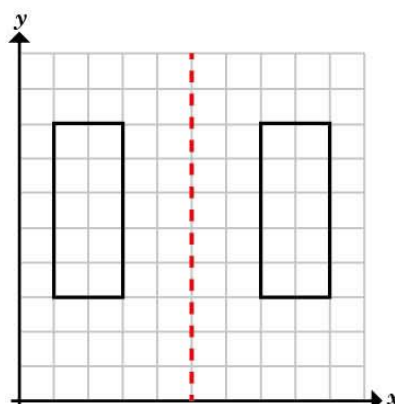
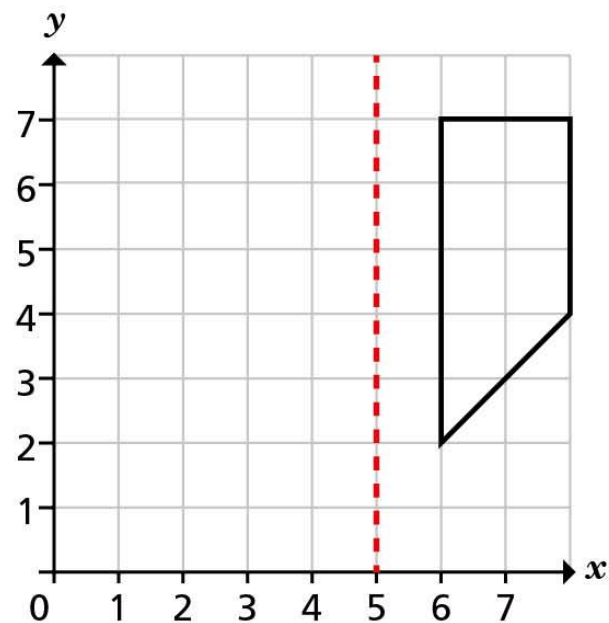

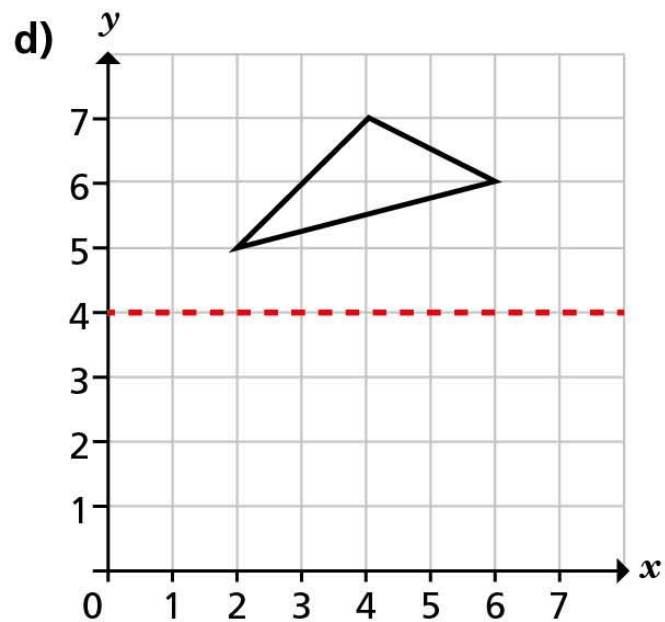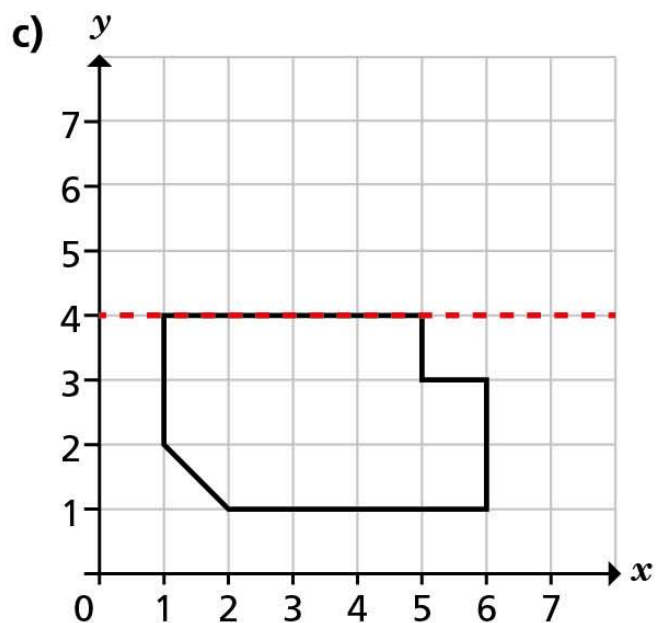Talk to a partner about the mistakes that have been made.
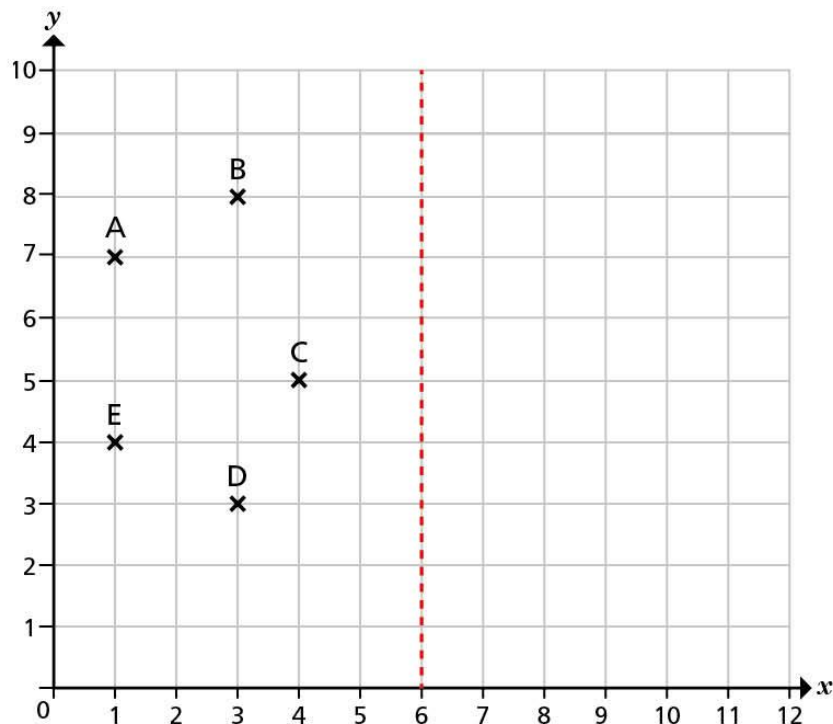
4 **a)**

b)

4 Reflect the objects in the given mirror lines.

c)

d)

5 Five points are plotted on a coordinate grid.

a) Join the points to form a polygon. This is the object.

What type of polygon is

the object? _____

b) Reflect the object in the given mirror line.

What type of polygon is

the image? _____

5

c) Label the reflected vertices P, Q, R, S and T.

Write the new coordinates.

P (☐ , ☐)   Q (☐ , ☐)   R (☐ , ☐)

S (☐ , ☐)   T (☐ , ☐)

d) The image and the object are identical polygons.

Is this statement true or false?   _____
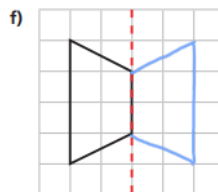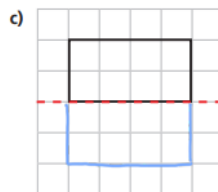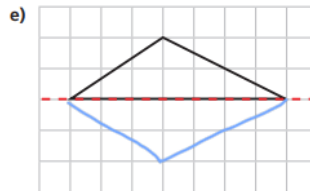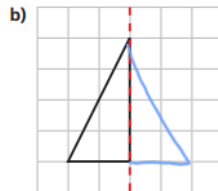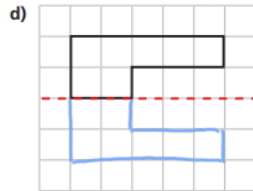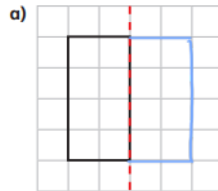
Talk about it with a partner.

Fluency Activity Answers

Reflection

1 Reflect each shape in the mirror line.

a)

b)

c)

d)

e)

f)

2 Reflect each shape in the mirror line.

a)

b)

c)

d)

e)

f)
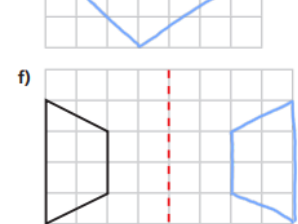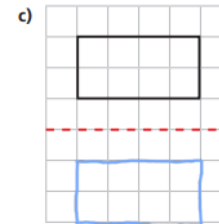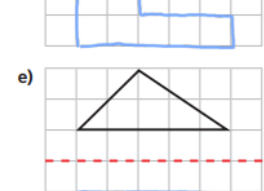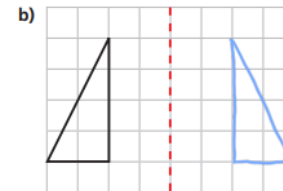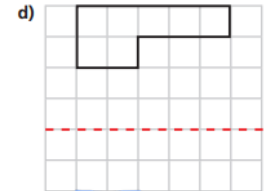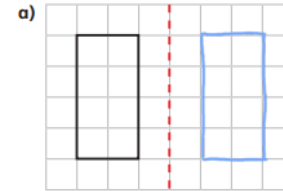
3 Which diagrams show a correct reflection in the given mirror line?
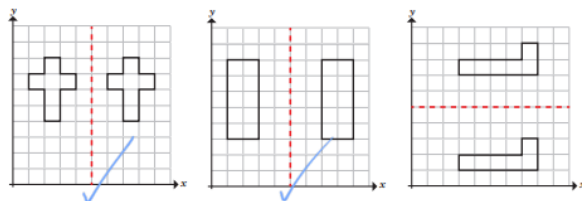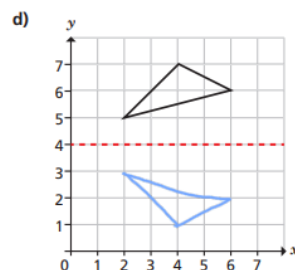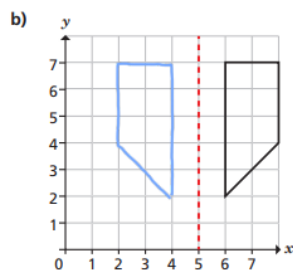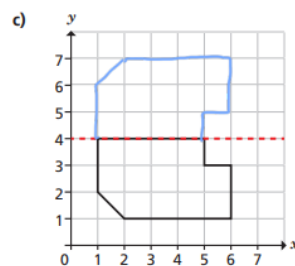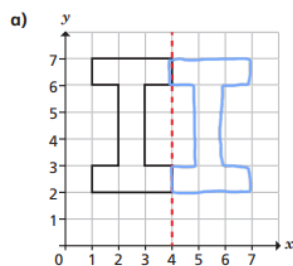
Tick your answers.
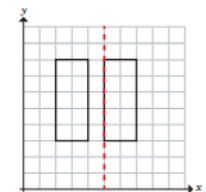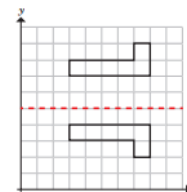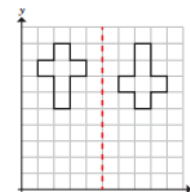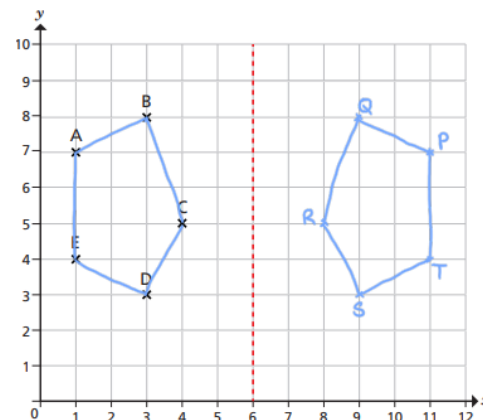
Fluency Activity Answers

Talk to a partner about the mistakes that have been made.

4 Reflect the objects in the given mirror lines.

a)

c)

b)

d)

5 Five points are plotted on a coordinate grid.

a) Join the points to form a polygon. This is the object.

What type of polygon is the object? _pentagon_

b) Reflect the object in the given mirror line.

What type of polygon is the image? _pentagon_

c) Label the reflected vertices P, Q, R, S and T.

Write the new coordinates.

P (11 , 7)   Q (9 , 8)   R (8 , 5)

S (9 , 3)   T (11 , 4)

d) The image and the object are identical polygons.

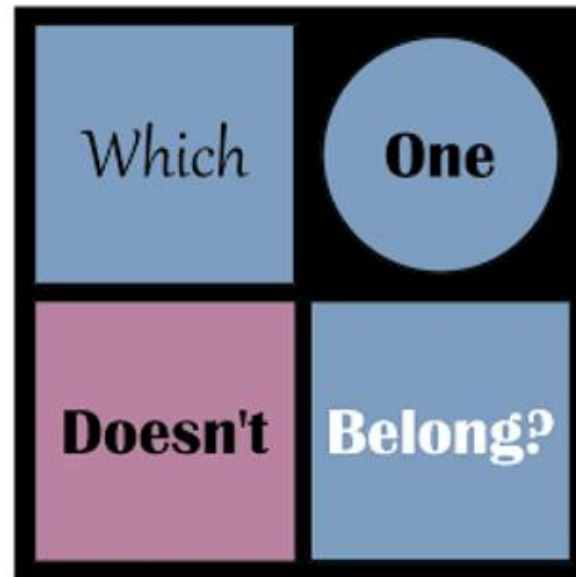Is this statement true or false? _True_
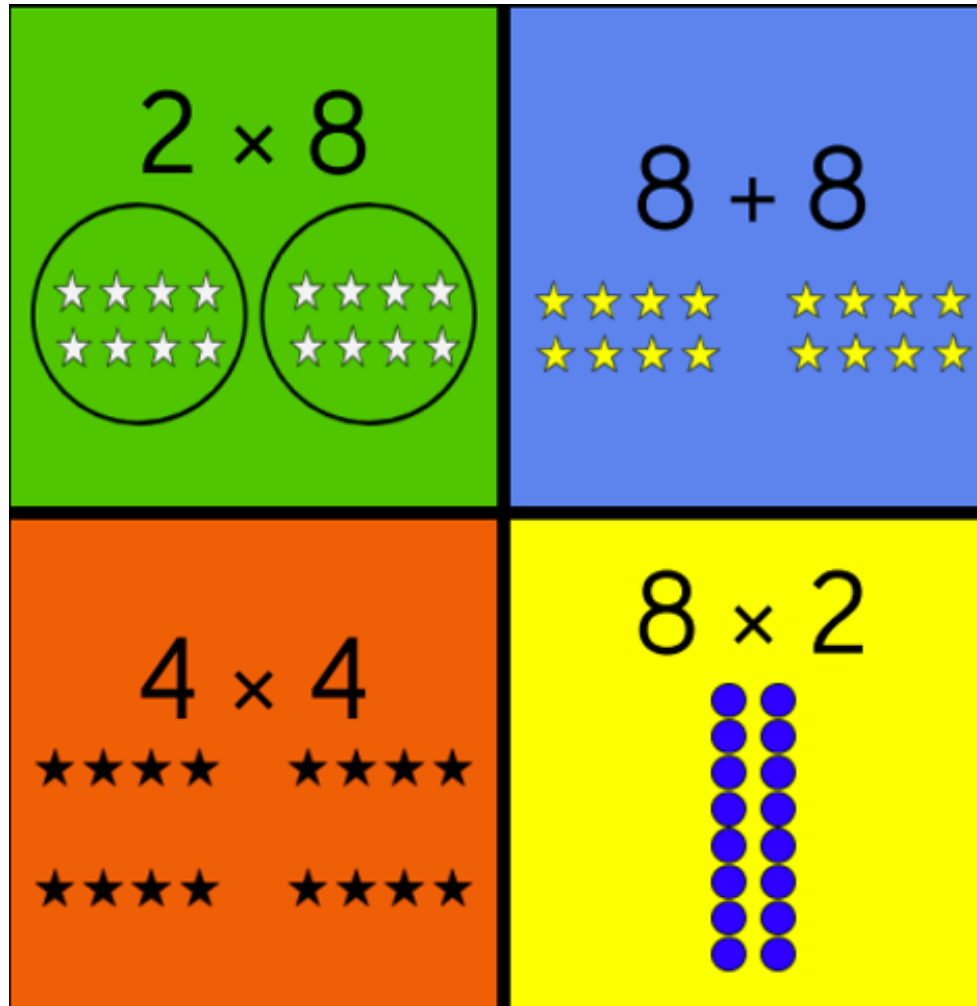
Talk about it with a partner.

Problem Solving

Problem Solving

- How many ways can you find?

Problem Solving

- How many different ways did you find?
- Can you explain your reasoning?