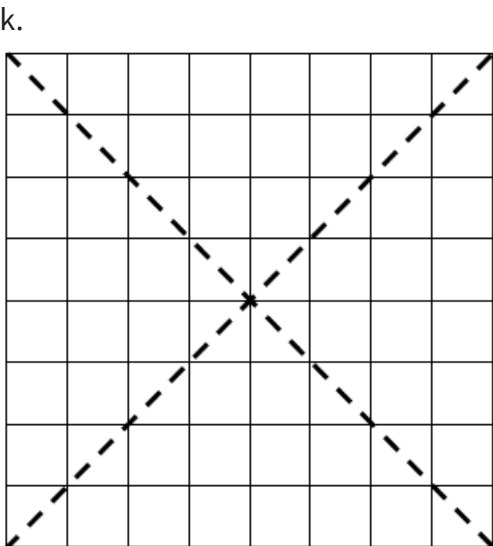
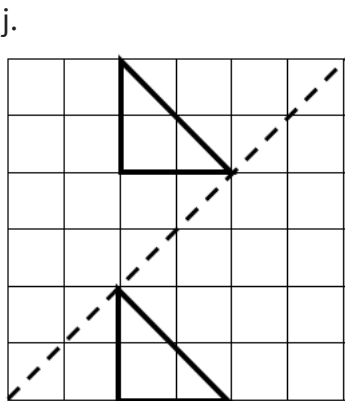
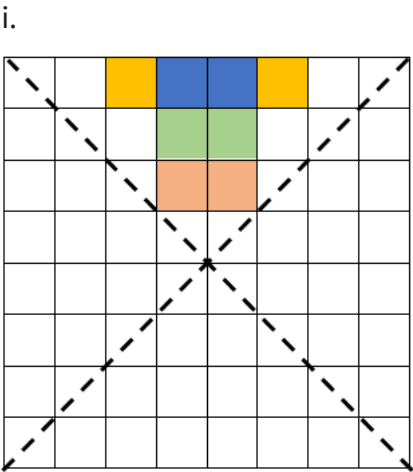
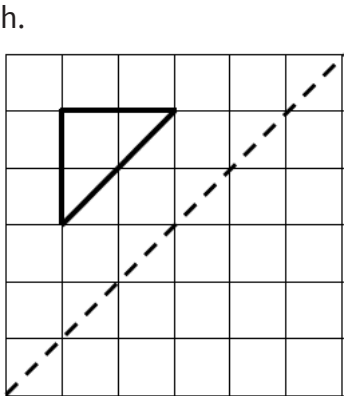
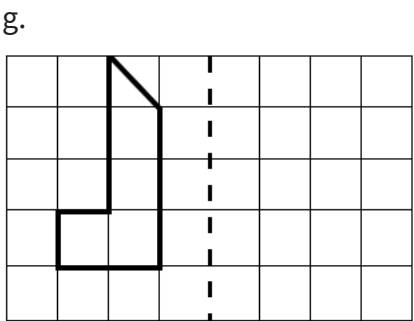
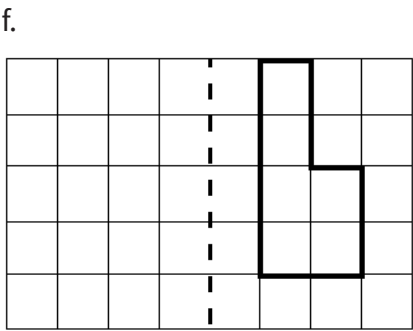
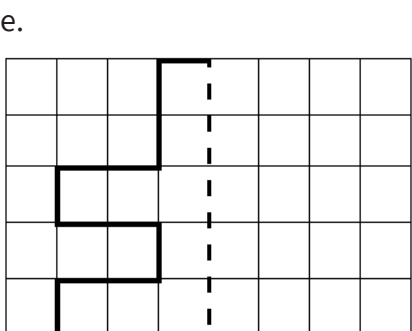
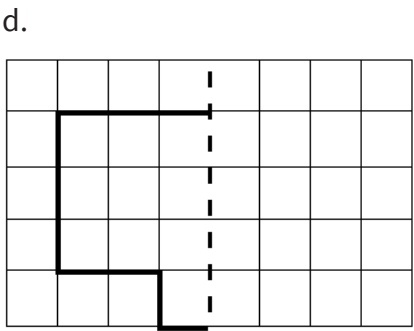
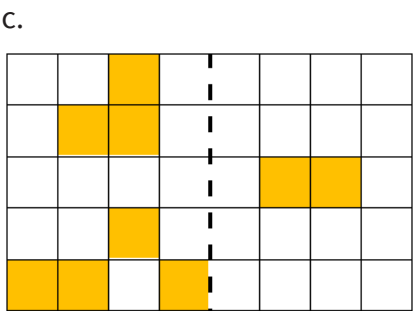
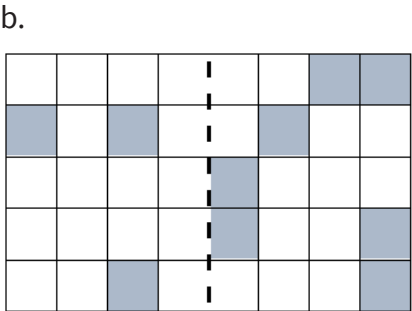
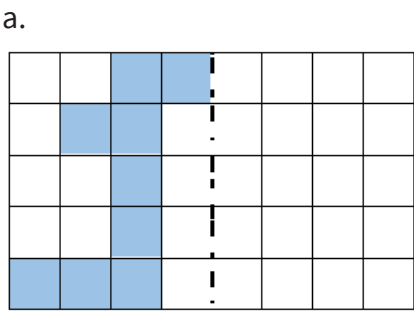


Images



Arithmetic

1. $\frac{1}{4}$ of 24

2. $\frac{5}{7} - \frac{3}{7}$

3. $\frac{4}{6}$ of 60

4. $63 \div 9$

Practice: Complete a Symmetric Figure

5. Recap: Explain how to complete a symmetrical shape on squared paper.



6. Colour the squares in image a to make the pattern symmetrical.

7. Colour the squares in image b and c to make the patterns symmetrical.

8. Complete images d and e according to the line of symmetry.

9. Reflect images f and g in the mirror line.

10. Explain **how** you would reflect image h.



11. Reflect image h to create a symmetrical pattern.

12. Reflect image i to make a symmetrical pattern.

13. Jason says have reflected the shape in image j on the mirror line. Is Jason correct? Explain.



Challenge

14. Create a symmetrical pattern of your own using image k.



You might want
to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$\frac{1}{4}$ of 24	6
2	$\frac{5}{7} - \frac{3}{7}$	$\frac{2}{7}$
3	$\frac{4}{6}$ of 60	40
4	$63 \div 9$	7
5	Explain how to complete a symmetrical shape on squared paper.	It is important to use the mirror line when completing a symmetrical pattern. When completing a symmetrical shape, pupils will use different methods. Accept answers that accurately explain how to complete a symmetrical pattern.
6	Complete image a.	The completed image should be symmetrical to the given image.
7	Complete images b and c.	The completed image should be symmetrical to the given image.
8	Complete images d and e.	The completed image should be symmetrical shapes.
9	Complete images f and g.	The completed images should show accurately reflected shapes.
10	Explain how you would reflect image h.	Image g is different to the other images as the line of symmetry is diagonal. Pupils should be able to apply their understanding of reflecting shapes on the mirror line to reflecting a shape on a diagonal mirror line.
11	Complete image g.	The triangle should be accurately reflected in the mirror line.
12	Complete image i.	The final image should have four lines of symmetry.
13	Jason says have reflected the shape in image j on the mirror line. Is Jason correct? Explain.	Jason is incorrect. He has translated the shape, not reflected it.
14	Create a symmetrical pattern of your own using image k.	Accept any image that has four lines of symmetry.