

Arithmetic

1. 9×8

2. $124 + 2,000$

3. $484 - 100$

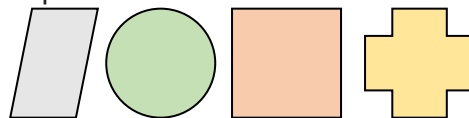
4. $\frac{4}{9} + \frac{8}{9}$

Practice: Lines of Symmetry

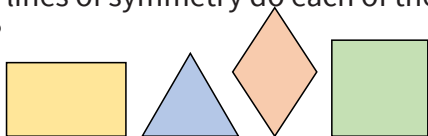
5. Recap: Explain what a line of symmetry is.



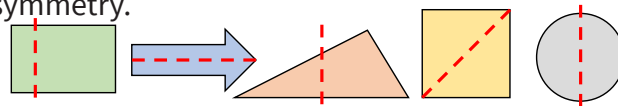
6. Tick the shapes that have at least one line of symmetry.



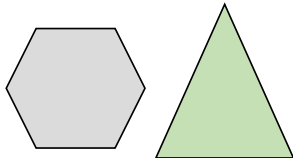
7. How many lines of symmetry do each of these shapes have?



8. Tick the shapes that show a correct line of symmetry.



9. Draw the lines of symmetry in these shapes.



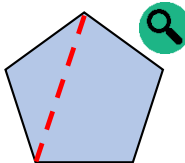
10. How many lines of symmetry are there? Explain how you know.



11. Draw a shape with only one line of symmetry.

12. Write at least 4 letters of the alphabet that have at least one line of symmetry.

13. Meghan says she has shown a line of symmetry on the pentagon. Is she correct? Explain.



Challenge

14. True or false.

The number of sides of a shape is the same as the number of lines of symmetry.

Prove your answer is right or wrong.

You might want
to talk to an adult

Spot the mistake

Answers

| Q no. | Question | Answer |
|-------|--|--|
| 1 | 9×8 | 72 |
| 2 | $124 + 2,000x$ | 2,124 |
| 3 | $484 - 100$ | 384 |
| 4 | $\frac{4}{9} + \frac{8}{9}$ | $\frac{12}{9}$ or 1 and $\frac{3}{9}$ |
| 5 | Explain what a line of symmetry is. | A line of symmetry is a line that acts like a mirror and splits a figure into two mirror-image parts. |
| 6 | Tick the shapes that have at least one line of symmetry. | Ticked - circle, square, cross |
| 7 | How many lines of symmetry do each of these shapes have? | 2, 3, 2, 4 |
| 8 | Tick the shapes that show a correct line of symmetry. | arrow, square, circle ticked |
| 9 | Draw the lines of symmetry in these shapes. | 6 lines, 1 line |
| 10 | How many lines of symmetry are there? Explain how you know. | There are two lines of symmetry in a rectangle. Pupils may show this by drawing lines on the shape. The explanations of how the pupils know will vary. Accept answers that demonstrate an understanding of symmetry. |
| 11 | Draw a shape with only one line of symmetry. | Mirror-image shape |
| 12 | Write at least 4 letters of the alphabet that have at least one line of symmetry. | A, B, C, D, E, H, I, M, O, T, U, V, W, X, Y |
| 13 | Meghan says she has shown a line of symmetry on the pentagon. Is she correct? Explain. | Meghan is incorrect. A pentagon has 5 lines of symmetry, all of which pass through the centre of the shape. The line of symmetry Meghan has shown does not pass through the centre of the shape and is therefore not a line of symmetry. |
| 14 | True or false. The number of sides of a shape is the same as the number of lines of symmetry. Prove your answer is right or wrong. | False. Pupils may prove this is false by drawing shapes with their lines of symmetry, for example an isosceles triangle with only one line of symmetry. |