

## Arithmetic

1.  $1,578 + 400$

2.  $4,371 - 1,000$

3.  $3 \times 7$

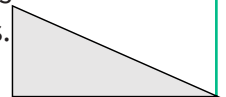
4.  $45 \div 5$

## Practice: Recognise and Describe 2D Shapes

5. Recap: A shape has four right angles and four equal sides. What is the shape? Explain how you know.



6. The shape has ? angles. It has ? sides. It has ? obtuse angles. It has ? right angle. It has ? acute angles. It has ? lines of symmetry.



7. The shape has ? sides. It has ? obtuse angles. It has ? right angles. It has ? acute angles. It has ? pairs of perpendicular lines. It has ? pairs of parallel lines.



8. Which shape is this?

It has 5 sides and 5 angles. None of the sides are parallel or perpendicular. All the angles are obtuse

9. Which shape is this?

It has 3 acute angles and 3 lines of symmetry. None of the sides are parallel or perpendicular.

10. Write your own description for a shape.

Include angles (acute, obtuse, right), sides, lines of symmetry and lines.



11. Draw this shape.

A hexagon with one side measuring 3cm and a right angle.

12. Draw this shape.

A triangle with one right-angle.

13. Rico says a triangle cannot have an obtuse angle as an internal angle.



Is Rico correct? Prove it.

## Challenge

14. Draw three different 2D shapes.

Write two similarities and two differences between the shapes.



You might want  
to talk to an adult



Spot the mistake

## Answers

Q no.	Question	Answer
1	$1,578 + 400$	1,978
2	$4,371 - 1,000$	3,371
3	$3 \times 7$	21
4	$45 \div 5$	9
5	A shape has four right angles and four equal sides. What is the shape? Explain how you know.	The shape is a square. Squares are the only 2D shape to have four right angles and four equal sides. Rectangles have four right angles but two pairs of equal sides, not four equal sides.
6	Fill in the gaps to describe the triangle.	3, 3, 0, 1, 2, 0
7	Fill in the gaps to describe the quadrilateral.	4, 0, 4, 0, 2 (or 4, depending on how you interpret them), 2
8	Which shape is this?	Regular pentagon
9	Which shape is this?	(Equilateral) triangle
10	Write your own description for a shape. Include angles (acute, obtuse, right), sides, lines of symmetry and lines.	Answers will vary. Accept answers that describe a shape. Pupils may wish to draw their shape so they can visualise its features.
11	Draw this shape.	Correctly drawn
12	Draw this shape.	Correctly drawn
13	Is Rico correct? Prove it.	Rico is incorrect. Triangles have an internal angle of 180 degrees. With this in mind, one angle of a triangle could be 100 degrees (an obtuse angle) with the remaining 80 degrees being split between the remaining angles.
14	Draw three different 2D shapes. Write two similarities and two differences between the shapes.	<p>Answers will vary depending on the shapes drawn.</p> <p>Example answers:</p> <p>square, rectangle, right angle triangle</p> <p>similarities - all shapes have straight sides. All shapes have at least one right angle</p> <p>Differences - square has all equal sides, right angle triangle has three sides, not four.</p>