

Answers

Year 6

2D Shapes Worksheet 2

Key Stage 2 Maths Year 6: 2D Shapes Worksheet 2

Answer Sheet

Question 1

I have 4 equal sides but no right angles. What am I?

Answer: Rhombus

Why: A rhombus has 4 equal sides, but unless it's a square its corners are not right angles.

Question 3

I have 2 lines of symmetry and my diagonals are equal. What am I?

Answer: Rectangle

Why: A rectangle has 2 lines of symmetry (through the middles of each pair of opposite sides), and both of its diagonals are the same length.

Question 5

I have no lines of symmetry, but I have 1 pair of parallel sides. What am I?

Answer: Trapezium

Why: A trapezium (that isn't isosceles) has only 1 pair of parallel sides and no lines of symmetry — its two slanted sides are different lengths.

Question 2

I have 4 lines of symmetry and 4 sides. What am I?

Answer: Square

Why: A square has 4 equal sides and 4 lines of symmetry — one through each pair of opposite corners, and one through each pair of opposite sides.

Question 4

I have no lines of symmetry, but I have 2 pairs of parallel sides. What am I?

Answer: Parallelogram

Why: A parallelogram (that isn't a rhombus, rectangle or square) has 2 pairs of parallel sides, but no lines of symmetry — it looks the same upside down, but not in a mirror.

Question 6

I have 2 pairs of equal angles and 2 pairs of equal sides. What am I?

Answer: Parallelogram

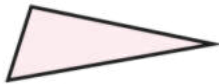
Why: This describes a parallelogram again: opposite angles are always equal (2 pairs), and opposite sides are always equal (2 pairs) — that is what makes it a parallelogram.

Answers

Year 6

2D Shapes Worksheet 2

Question 7

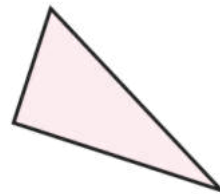


What type of triangle is this? (Name its angle type AND its side type.)

Answer: **Obtuse scalene triangle**

Why: One angle is bigger than 90° , so it's obtuse. All 3 sides are different lengths, so it's scalene.

Question 8



What type of triangle is this? (Name its angle type AND its side type.)

Answer: **Right-angled scalene triangle**

Why: One angle is exactly 90° , so it's right-angled. All 3 sides are different lengths, so it's scalene.

Question 9

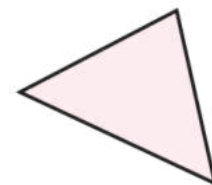


What type of triangle is this? (Name its angle type AND its side type.)

Answer: **Right-angled isosceles triangle**

Why: One angle is exactly 90° , so it's right-angled. The two shorter sides (the legs) are equal in length, so it's isosceles.

Question 10



What type of triangle is this? (Name its angle type AND its side type.)

Answer: **Acute isosceles triangle**

Why: All 3 angles are smaller than 90° , so it's acute. Two of the sides are equal in length, so it's isosceles.