Multiple choice questions - Angles, shapes and symmetry

Year: Year 4 · 10

Question 1 An angle of 100 degrees is...

- ◯ **A.** acute
- ◯ **B.** right
- ◯ **C.** obtuse
- ◯ **D.** straight

Question 2 Which triangle has no equal sides?

- ◯ **A.** equilateral
- ◯ **B.** isosceles
- ◯ **C.** scalene
- ◯ **D.** right

Question 3 How many lines of symmetry does a square have?

- ◯ **A.** 1
- ◯ **B.** 2
- ◯ **C.** 3
- ◯ **D.** 4

Question 4 Which shape has exactly one pair of parallel sides?

- ◯ **A.** square
- ◯ **B.** rectangle
- ◯ **C.** trapezium
- ◯ **D.** rhombus

Question 5 How many sides does an octagon have?

- ◯ **A.** 6
- ◯ **B.** 7
- ◯ **C.** 8
- ◯ **D.** 10

Question 6 An isosceles triangle has...

- ◯ **A.** 3 equal sides
- ◯ **B.** 2 equal sides
- ◯ **C.** no equal sides

- ◯ **D.** 4 sides

Question 7 How many degrees are in a right angle?

- ◯ **A.** 45
- ◯ **B.** 90
- ◯ **C.** 180
- ◯ **D.** 360

Question 8 Which letter has no line of symmetry?

- ◯ **A.** A
- ◯ **B.** H
- ◯ **C.** Z
- ◯ **D.** T

Question 9 A shape has 4 equal sides but no right angles. What could it be?

- ◯ **A.** square
- ◯ **B.** rectangle
- ◯ **C.** rhombus
- ◯ **D.** kite

Question 10 How many lines of symmetry does an equilateral triangle have?

- ◯ **A.** 1
- ◯ **B.** 2
- ◯ **C.** 3
- ◯ **D.** 6

Answer grid - Angles, shapes and symmetry

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Question	Answer	Explanation
1	**C**	It is bigger than 90 and smaller than 180: obtuse.
2	**C**	Scalene means no equal sides.
3	**D**	2 through the sides and 2 along the diagonals: 4.
4	**C**	A trapezium.
5	**C**	Octa means eight.
6	**B**	Two equal sides.
7	**B**	A quarter turn is 90 degrees.
8	**C**	Z has no matching fold halves.
9	**C**	A rhombus.
10	**C**	One through each corner: 3.