Multiple choice questions - Perimeter and area

Year: Year 4 · 10

Question 1 What is the perimeter of a rectangle 7 cm by 3 cm?

- ◯ **A.** 10 cm
- ◯ **B.** 20 cm
- ◯ **C.** 21 cm
- ◯ **D.** 14 cm

Question 2 What is the area of a rectangle with 4 rows of 6 squares?

- ◯ **A.** 10
- ◯ **B.** 20
- ◯ **C.** 24
- ◯ **D.** 48

Question 3 A square has a perimeter of 28 cm. How long is one side?

- ◯ **A.** 4 cm
- ◯ **B.** 7 cm
- ◯ **C.** 14 cm
- ◯ **D.** 56 cm

Question 4 Which one measures the distance around the edge of a shape?

- ◯ **A.** Area
- ◯ **B.** Volume
- ◯ **C.** Perimeter
- ◯ **D.** Angle

Question 5 A rectangle is 10 m long and has a perimeter of 36 m. How wide is it?

- ◯ **A.** 8 m
- ◯ **B.** 16 m
- ◯ **C.** 26 m
- ◯ **D.** 18 m

Question 6 Which shape has the biggest area?

- ◯ **A.** 3 by 6 rectangle
- ◯ **B.** 4 by 5 rectangle
- ◯ **C.** 2 by 8 rectangle

◯ **D.** 1 by 17 rectangle

Question 7 What is the perimeter of an L-shape that fits in a 5 by 4 rectangle?

◯ **A.** 9
◯ **B.** 18
◯ **C.** 20
◯ **D.** 16

Question 8 Which shape has a perimeter of 24 cm?

◯ **A.** Square of side 6 cm
◯ **B.** Square of side 4 cm
◯ **C.** Rectangle 8 cm by 5 cm
◯ **D.** Rectangle 10 cm by 4 cm

Question 9 A shape has area 12 squares. Which rectangle could it be?

◯ **A.** 2 by 5
◯ **B.** 3 by 4
◯ **C.** 3 by 5
◯ **D.** 2 by 7

Question 10 What is the area of the rectangle with sides 5 cm and 5 cm?

◯ **A.** 10 square cm
◯ **B.** 20 square cm
◯ **C.** 25 square cm
◯ **D.** 15 square cm

Answer grid - Perimeter and area

Year: Year 4

Question	Answer	Explanation
1	**B**	2 x (7 + 3) = 20 cm.
2	**C**	4 x 6 = 24 squares.
3	**B**	28 / 4 = 7.
4	**C**	Perimeter is the distance round the edge.
5	**A**	Two lengths = 20, two widths = 16, one width = 8.
6	**B**	The areas are 18, 20, 16, 17.
7	**B**	2 x (5 + 4) = 18.
8	**A**	4 x 6 = 24.
9	**B**	3 x 4 = 12.
10	**C**	5 x 5 = 25.