SAMPEL PERCUMA

Cambridge Primary Maths Perimeter and Area Worksheets + Answer Key

Set penuh: Cambridge Primary

Maths Year 1–6

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PRIMARY MATHEMATICS · PRACTICE WORKBOOK

Cambridge Primary Mathematics

Stage 3

Topic practice for Year 3 (ages 7–8)

- 15 topics across Number, Geometry & Measure, Statistics & Probability
- 145 original practice questions, easy to challenging
- Numbers to 1000, times tables, money and change in RM
- End-of-stage mixed test (31 marks)
- Full answer key with worked answers

Follows the Cambridge Primary Mathematics curriculum framework (0096), Stage 3.
Independent practice material — not an official Cambridge publication. All questions are original.
Metric units throughout; money in RM (ringgit) and sen.

Geometry and Measure 3Gg.02–3Gg.04

Topic 11: Length, perimeter and area

Remember

- 1 m = 100 cm · 1 km = 1000 m.
- **Perimeter** is the distance all the way round a shape. Add the lengths of all sides.
- **Area** is the space inside a shape. On a square grid, count the squares.

1. Fill in.
   (a) 1 m = _____ cm
   (b) 1 km = _____ m
   (c) 300 cm = _____ m
   (d) 2 m 40 cm = _____ cm

2. Which unit (cm, m or km)?
   (a) length of a pencil
   (b) height of a building
   (c) distance from Kuala Lumpur to Penang

   Answer: _____

3. A school field is about 100 _____ long. (cm, m or km?)

4. Find the perimeter of this rectangle.

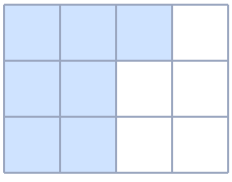


   Answer: _____

5. A square has sides of 7 cm. What is its perimeter?

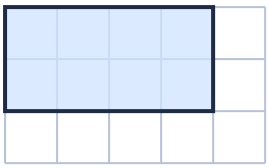
   Answer: _____

6. What is the area of the shaded shape? (count the squares)



   Answer: _____

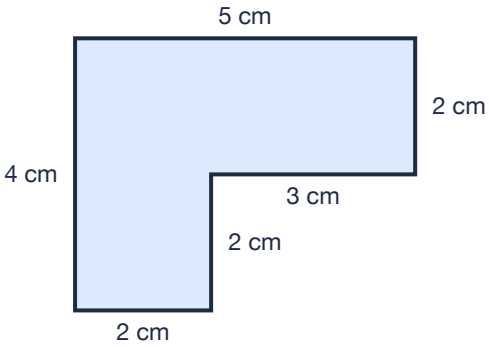
7. Each square is 1 cm long.



(a) What is the perimeter of the rectangle?
(b) What is its area in squares?

Answer: _____

8. Find the perimeter of this shape.



Answer: _____

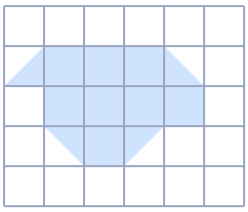
9. A rope is 2 m long. Ali cuts off 65 cm. How much rope is left?

Answer: _____

10. Which is longer: 1 km or 900 m?

Answer: _____

5. Estimate the area of the shaded shape. Each square is 1 cm². (Two half squares make one whole.)



Answer: _____

6. A bedroom floor is 5 m by 4 m. What is its area? Tiles cost RM12 for each square metre. How much do tiles for the floor cost?

Answer: _____

7. A square has a perimeter of 36 cm. How long is each side? What is its area?

Answer: _____

8. A rectangle has an area of 24 cm². Its length is 6 cm. Find its width and its perimeter.

Answer: _____

9. Draw or describe two different rectangles that both have an area of 12 cm². Find the perimeter of each.

Answer: _____

10. A garden is 12 m long and 9 m wide. How much fencing is needed to go all the way round?

Answer: _____

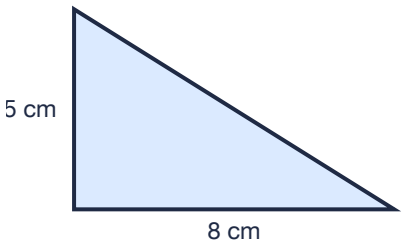
Geometry and Measure 6Gg.03–6Gg.07

Topic 13: Area, nets, surface area and volume

Remember

- Area of a right-angled triangle = half of the rectangle: $\frac{1}{2}$ × base × height.
- A **net** folds up to make a 3D shape. **Surface area** = total area of all the faces.
- **Volume** is the space a solid takes up (cm³). **Capacity** is how much a container can hold (ml, l). 1 cm³ = 1 ml.

1. Find the area of this right-angled triangle.



Answer: _____

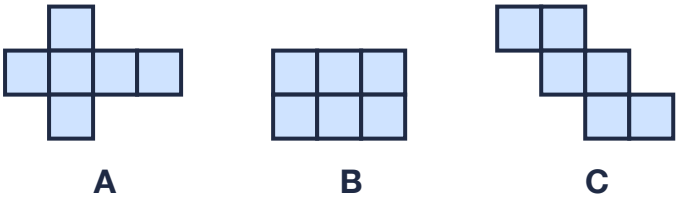
2. A right-angled triangle has base 12 cm and height 7 cm. Find its area.

Answer: _____

3. A rectangle 10 cm by 6 cm is cut along a diagonal into two triangles. What is the area of each triangle?

Answer: _____

4. Which of these are nets of a cube?

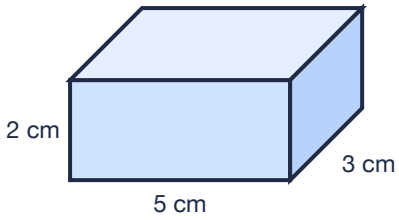


Answer: _____

5. A net has 1 square and 4 triangles. Another net has 2 triangles and 3 rectangles. Name the 3D shapes.

Answer: _____

6. Find the surface area of a cuboid 5 cm by 3 cm by 2 cm.



Answer: _____

7. A cube has edges of 4 cm. Find its surface area.

Answer: _____

8. How many 1 cm cubes make a cuboid 5 cm by 3 cm by 2 cm? What is its volume?

Answer: _____

9. A box measures 10 cm by 10 cm by 10 cm inside. What is its capacity in millilitres? In litres?

Answer: _____

10. Volume or capacity?
(a) the space a brick takes up
(b) how much juice a carton can hold

Answer: _____

11. Two cubes are joined face to face. What shape is made? How many faces does it have?

Answer: _____

6	$\frac{1}{2}$	Halves are bigger than quarters of the same whole.
7	$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	
8	(a) 2 (b) 4	
9	(a) $\frac{3}{4}$ (b) $\frac{1}{4}$	$\frac{1}{2} = \frac{2}{4}$; $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$. 1 whole – $\frac{3}{4} = \frac{1}{4}$.
10	6	24 ÷ 4 = 6, which is $\frac{1}{4}$ of 24.
11	Yes	$\frac{2}{4} = \frac{1}{2}$: the two shaded quarters cover half the circle.

Topic 9: Time and calendars

1	second, minute, hour, day	
2	(a) years (b) minutes	
3	(a) 7 (b) 12 (c) 60	
4	A = 2:15, B = 7:40, C = 10:05	Count the minutes in fives from 12.
5	A = 4:55, B = 12:25	At 4:55 the hour hand is nearly at 5, but it is still 4 o'clock and 55 minutes.
6	(a) Wednesday (b) Wednesday (c) 4 (d) the 31st	(b) 1st, 8th, 15th are all Wednesdays. (c) Sundays: 5th, 12th, 19th, 26th. (d) Fridays: 3rd, 10th, 17th, 24th, 31st.
7	Thursday	Tuesday, Wednesday, Thursday.
8	at the 4	20 minutes = 4 fives.
9	21 July	12 + 9 = 21.
10	1 hour; 59 minutes longer	1 hour = 60 minutes. 60 – 1 = 59.

Topic 10: 2D shapes, symmetry and turns

1	A triangle 3, B square 4, C pentagon 5, D hexagon 6	
2	4	
3	A (square)	All its sides and angles are equal.
4	Yes	Turning a shape does not change its name or number of sides.
5	3 cm	Every point on the edge of a circle is the same distance from the centre.
6	A yes, B no	A: both halves match. B: the left half does not match the right half.
7	(a) yes (b) yes	Fold it top to bottom or side to side and the halves match.
8	a quarter turn, clockwise	12 to 3 is one quarter of the way round, in the direction the hands move.

TAMAT SAMPEL

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