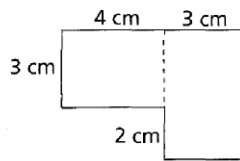


Area, volume and capacity

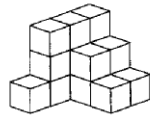
Circle the correct answer.

1 What is the area of this shape? *Hint 1*

- A 12 cm²
- B 24 cm²
- C 27 cm²
- D 42 cm²



2 This stack of blocks is made up of 1 cm cubes. What is its volume? There are no hidden gaps.



- A 13 cm³
- B 14 cm³
- C 15 cm³
- D 16 cm³

3 A square has an area of 81 cm². How long is each side?

- A 3 cm
- B 6 cm
- C 9 cm
- D 27 cm

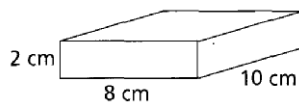
4 A beaker holds 38 mL of water. What is the mass of the water? *Hint 2*

- A 0.38 g
- B 3.8 g
- C 38 g
- D 380 g

5 The capacity of a common bucket is about:

- A 3 L
- B 10 L
- C 20 L
- D 25 L

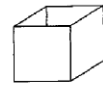
6 What is the volume of this block? *Hint 3*



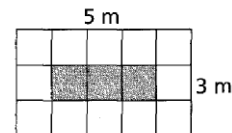
- A 17 cm³
- B 34 cm³
- C 60 cm³
- D 160 cm³

7 What is the total area of the outside faces of a 3 cm cube open at the top?

- A 45 cm²
- B 27 cm²
- C 18 cm²
- D 9 cm²

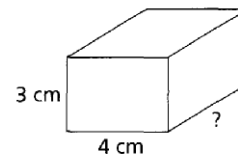


8 This is a diagram of a tiled area surrounding a small mat (pink). Each tile has an area of 1 m². What is the perimeter of the mat?



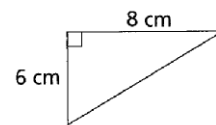
- A 6 m
- B 8 m
- C 12 m
- D 16 m

9 This rectangular prism has a volume of 60 cm³. What is the length of the third side? *Hint 4*



- A 6 cm
- B 5 cm
- C 4 cm
- D 3 cm

10 What is the area of this right-angled triangle? *Hint 5*



- A 7 m²
- B 14 cm²
- C 24 cm²
- D 48 m²

Hint 1: Think of two rectangles.

Hint 2: 1 mL = 1 g

Hint 3: Multiply all three measurements.

Hint 4: Multiply three measurements to get volume.

Hint 5: A triangle is half a quadrilateral.