YEAR 7 TEST 4A

1 a Perimeter
$= 4 \times 7$ m
$= 28$ m

b Perimeter
$= (9 + 12 + 18)$ km
$= 39$ km

c Perimeter
$= (30 \text{ cm} \times 3) + (20 \text{ cm} \times 2) + (10 \text{ cm} \times 3)$
$= (90 + 40 + 30)$ cm
$= 160$ cm

2 a metres (m)

b centimetres (cm)

c square kilometres (km^2)

3 a 15 square units

b 30 square units

c 12 wholes + 8 halves
$= (12 + 4)$ wholes
i.e., 16 square units

4 a Area = length × breadth
$= 15 \text{ m} \times 3 \text{ m}$
$= 45 \text{ m}^2$

b Area = length × breadth
$= 20 \text{ cm} \times 20 \text{ cm}$
$= 400 \text{ cm}^2$

5 Area = length × width (width)
$60 \text{ m}^2 = \text{length} \times 5 \text{ m}$
But $12 \times 5 = 60$
$\therefore$ length = 12 m

6 a $5 + 5 = 10$
i.e., 10 cubic centimetres

b 5 cubic centimetres

c $10 + 10 = 20$
i.e., 20 cubic centimetres

7 a $8 + 4 = 12$
i.e., 12 cubic units

b Would need to add a $3 \times 2 \times 2$ block
i.e., 12 cubic units needed.

8 a litres (L)

b millilitres (mL)

9 a kilograms (kg)

b grams (g)