

**Year 3 Homework Answer:**

Module 12: Perimeter

1.

10 m	9 m	12 cm
------	-----	-------

2.

9 m	12 cm	12 cm
-----	-------	-------

3.

440 cm	340 cm	
22 m	28 m	
170 cm	56 cm	48 m

4.

30 m	30 m	26.8 m
------	------	--------

5.

32 m	13 m	23 km
------	------	-------

6.

4 cm	10 cm	6 cm	5 cm
------	-------	------	------

7.

16.4 cm
33 mm
18.2 m
560 cm

8.

- a) 12 cm
- b) 14 cm
- c) Answer may vary (length 2, width 1)

9.

Side:  $40 \div 20 = 2$  m

Area:  $2 \times 2 = 4$  m<sup>2</sup>

$4 \times 9 = 36$  m<sup>2</sup>

10.

- a) 24 cm
- b) 16.8 mm

11.

a)  $11 - 3 = 8$  m

$8 \div 2 = 4$  m

b)  $15 \div 3 = 5$  mm

12.

Brown: 34 m

Black: 32 m

Therefore, Mrs Brown's classroom has larger perimeter.

13.

Perimeter: 800 m

Cost:  $800 \times 3 = \$2400$

14.

Amandeep: 230 m/lap; 460 m for 2 laps

Jay: 240 m/lap; 480 m for 2 laps

Jay jogged longer, by 20 metres

15.

Perimeter:  $5 \times 3 = 15$  cm