

Year 4 Homework Answer

**Module 14: Area of quadrilaterals**

1.

$49 \text{ km}^2$	$144 \text{ m}^2$	$1764 \text{ cm}^2$
28 km	48 m	168 cm

$96 \text{ m}^2$	$105 \text{ m}^2$	$375 \text{ cm}^2$
40 m	44 m	80 cm

2.

$288 \text{ cm}^2$	$437 \text{ km}^2$	$324 \text{ mm}^2$
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3.

9 m	12 m	42 cm
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4.

22 mm	18 m	11 m
12 m	15 cm	18 cm

5.

$282 \text{ m}^2$	$225 \text{ cm}^2$	$387 \text{ mm}^2$
$176 \text{ m}^2$	$48 \text{ km}^2$	$115 \text{ mm}^2$

6.

N.A (Answer may vary)

Base: 4 units; height 3 units

Base: 2 units; height 6 units

7.

$$16 \text{ cm}^2$$

8.

$$737 \div 67 = 11 \text{ m}$$

$$11 - 2 = 9 \text{ m}$$

9.

$$23 \times 18 = 414 \text{ cm}^2$$

$$\text{Remaining area: } (23+12) \times 18 = 630 \text{ cm}^2; 630 - 414 = 216 \text{ cm}^2$$

10.

Incorrect. If a rectangle with length 4 cm and width 2 cm, the perimeter is 12 cm, and the area is  $8 \text{ cm}^2$

But if another rectangle with length 5 cm and width 1 cm, the perimeter is 12 cm, but the area is  $5 \text{ cm}^2$

11.

$$(16+22) \times 3 \div 2 = 57 \text{ m}^2$$

$$57 \times 2 = 114 \text{ kg}$$

12.

$$\text{a) } 12 \times 14 = 168 \text{ m}$$

$$\text{b) } 168 \times 300 = \$50400$$

13.

$$16 \times 10 = 160 \text{ cm}^2$$

$$160 \div 2 = 80 \text{ cm}^2$$

14.

$$42 \times 17 = 714 \text{ cm}^2$$

$$714 \div 21 = 34 \text{ cm}$$

15.

$$(180 + 460) \times 330 \div 2 = 105600 \text{ cm}^2$$

16.

$$475 \div 25 = 19 \text{ cm}$$

$$19 \times 4 = 76 \text{ cm}$$