Year 5 Homework Answer

Module 12: Area of irregular shapes

1.

$A = \frac{bh}{2}$	$A = l \times l$
$A = bh$	$A = (a + b) \times h \div 2$

2.

a) 36 cm^2

b) 95 cm^2

3.

a) $22 \times 12 - [(8 + 15) \times 12 \div 2] = 126\ cm^2$

b) $(24 \times 17 + 11 \times 12) - (24 \times 28 \div 2) = 204\ cm^2$

c) $(15 + 9) \times 6 \div 2 \times 2 = 144\ cm^2$

d) $16 \times 9 - (5 \times 12) - (9 \times 4 \div 2) = 66\ cm^2$

e) $(27 \times 8 \div 2) + (23 \times 20 \div 2) = 338\ cm^2$

4.

$7 \times 9 + 5 \times 12 = 123\ m^2$

5.

11.8 – 2.4 – 2.4 = 7 m

9.9 – 2.4 – 2.4 = 5.1 m

$7 \times 5.1 = 35.7\ m^2$

6.

$(10 + 12) \times 6 \div 2 = 66\ cm^2$

$1 \times 7 = 7\ cm^2$

$5 \times 4 \div 2 = 10\ cm^2$

$66 + 7 + 10 = 83\ cm^2$

7.

$67 \times 40 = 2680\ cm^2$

$23 \times 37 = 851\ cm^2$

$2680 - 851 = 1829\ cm^2$

8.

$(13 + 25) \times (22 + 22) = 1672\ cm^2$

$(13 \times 22 \div 2) \times 2 = 286 cm^2$

$(6 \times 25 \div 2) \times 2 = 150\ cm^2$

$1672 - 286 - 150 = 1236\ cm^2$

9.

$1.3 \times 2.1 \div 2 = 1.365\ m^2$
$(0.6 + 2.1) \times 1.4 \div 2 = 1.89\ cm^2$

$1.365 + 1.89 = 3.255\ cm^2$