

Mastered I+

$$\textcircled{1} \begin{array}{l} \text{a } 2(-3) = -6 \\ \text{b } 4(-5) + 2 = -10 \\ \text{c } 5 + 2(-3) = -1 \end{array}$$

$$\textcircled{2} \begin{array}{l} \text{a } (-4)^2 = 16 \\ \text{b } 3(-4)^2 = 48 \\ \text{c } 5(-4)^2 + 9 = 89 \end{array}$$

$$\textcircled{3} \begin{array}{l} \text{a } 2(4) + 3(-2) \\ 8 - 6 = 2 \\ \text{b } 3(4) - 5(-2) + 4 \\ 12 + 10 + 4 \\ \textcircled{26} \\ \text{c } 2(4)(-2) + 3(-2) \\ -16 - 6 = \textcircled{-22} \end{array}$$

$$\textcircled{4} \begin{array}{l} \text{a } 4(-4)(-5) = 80 \\ \text{b } (-4)^2(-5) = -80 \\ \text{c } 5(-5) - (-4)^2 \\ -25 + 16 = \textcircled{-9} \end{array}$$

$$\textcircled{5} \begin{array}{l} \text{a } 7(-2) - 2(-3) \\ -14 + 6 = -8 \\ \text{b } 3(-2)(-3) - 4(-3) \\ 18 + 12 = 30 \\ \text{c } 2(-2)^2 - 4(-3)^2 \\ 2(4) - 36 \\ 8 - 36 = \textcircled{-28} \end{array}$$

$$5(4) + 2(-7)$$

$$20 - 14 = \textcircled{6}$$

$$(2(2)(-5))^2$$

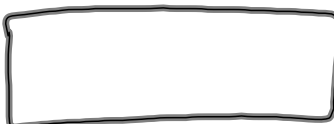
$$(-20)^2 = 400$$

$$\frac{5(-2)(-3)^3}{10} = \frac{(-10)(-27)}{10} = \textcircled{27}$$

$$((-2)(-3))^2 - (-2)(-3)^2$$

$$6^2 - (2)(9)$$

$$36 + 18 = \textcircled{54}$$

$20 = y$  Not drawn to scale

$y-2$
 $20-2 = 18$

a. Perimeter b. area

$y + y - 2 + y + y - 2$ $1y(y-2)$

$4y - 4$


$y^2 - 2y$

c. If perimeter is 76cm, find l & w

d. Find the area

$4y - 4 = 76$
 $+4 \quad +4$
 $4y = 80$
 $y = 20$

$20(18)$
 360

d  $d(d+5)$

$d+5$

a. Perimeter b. area

$d + d + 5 + d + d + 5$ $4d + 10$ $d^2 + 5d$

c. If $P = 110$, find l & w

$4d + 10 = 110$
 $-10 \quad -10$
 $4d = 100$
 $d = 25$

d. Find actual area

$25, 30$

30
 $\times 25$

 750

Topic 6

#s 1-25 odds