

UNIT 2
HW1 EQUATIONS

1. Solve these equations

(a) $3x + 5 = 29$

(b) $4a - 9 = 7$

2. Solve these equations by first multiplying out the brackets

(a) $5(x + 2) = 25$

(b) $10(d - 8) = 20$

3. Solve these equations by first multiplying out the brackets

(a) $3(2x - 4) = 6$

(b) $4(5x + 2) = 1$

4. Solve these equations

(a) $4 + 3(x - 3) = 13$

(b) $3 - 2(4 - x) = 11$

5. Solve these equations

(a) $4(x - 3) = 2(x + 1)$

(b) $7(x + 1) = 2(x + 11)$

HW2 EQUATIONS (Extension)

1. Solve :-

(a) $11(2x - 3) = 15x + 2$

(b) $2(4x + 1) - 3(x - 3) = x + 35$

2. Solve these equations:-

(a) $\frac{x}{2} - \frac{x}{3} = 4$

(b) $\frac{x+3}{4} + \frac{x}{2} = 6$

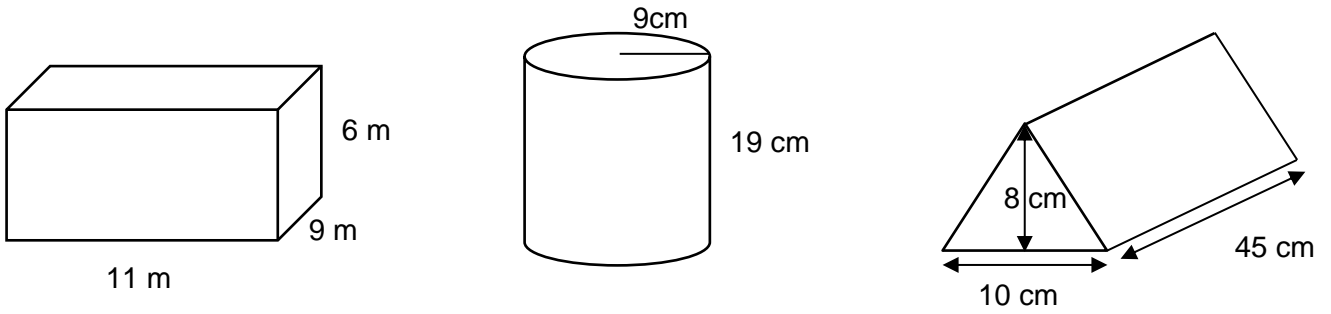
(c) $\frac{2}{3} - \frac{x+1}{9} = \frac{5}{6}$

3. Jack bought 5 bags of sweeties. His friend Jill bought 1 bag, but she already had 120 loose sweeties. They then discovered that they had exactly the same number of sweeties.

Make up an equation to solve this problem and find how many sweeties were in each bag.

HW3 VOLUMES AND SURFACE AREA OF PRISMS

1. Find the volumes of the solid shapes below.



2. Calculate the total surface area (top, bottom and curved surface) of this cylindrical tin.

