

30th March



Corbettmaths

Expand $4y^2(5y^2 - 2a)$

$$20y^4 - 8ay^2$$

Solve $x^2 + 3x - 4 = 0$

$$(x+4)(x-1) = 0$$

$$x = -4 \text{ or } x = 1$$

Height (h metres)	Frequency	fx
$1.50 \leq h < 1.55$	6	9.15
$1.55 \leq h < 1.60$	10	15.75
$1.60 \leq h < 1.65$	24	39
$1.65 \leq h < 1.75$	17	28.9
$1.75 \leq h < 1.85$	+ 3	+ 5.4
		<u>98.2</u>

Calculate an estimate of the mean height.

$$* = 98.2$$

$$98.2 \div 60 = 1.636$$

Solve the simultaneous equations

$$y + 1 = 2x$$

$$y = x + 2$$

$$x + 2 + 1 = 2x$$

$$x + 3 = 2x$$

$$3 = x$$

$$y = 3 + 2$$

$$y = 5$$

$$x = 3 \text{ and } y = 5$$

$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$
 $A = \{\text{multiples of 4}\} \underline{4} \ 8 \ 12$
 $B = \{\text{factors of 20}\} \ 1 \ 2 \ \underline{4} \ 5 \ 10$

Draw a Venn diagram for this information.

