

Name: _____

5-a-day

Foundation Plus

30th March

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



Blank space for the expansion of $4y^2(5y^2 - 2a)$.

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

Blank space for solving the quadratic equation $x^2 + 3x - 4 = 0$.

Height (h metres)	Frequency
$1.50 \leq h < 1.55$	6
$1.55 \leq h < 1.60$	10
$1.60 \leq h < 1.65$	24
$1.65 \leq h < 1.75$	17
$1.75 \leq h < 1.85$	3

Calculate an estimate of the mean height.

Blank space for calculating the estimate of the mean height.

Solve the simultaneous equations

$$y + 1 = 2x$$

$$y = x + 2$$

Blank space for solving the simultaneous equations.

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

Draw a Venn diagram for this information.

Blank space for drawing a Venn diagram.

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