

HA3.1



- 1) Solve the inequality $4x - 6 \leq 2x + 3$

- 2) Expand and simplify $3(2x + 3) + 4(6 - 3x)$

- 3) Work out $5\frac{2}{7} - 1\frac{3}{4}$

- 4) Work out 3.6×4.6

- 5) Work out $2802 \div 0.6$



1) Simplify $\sqrt{75} + 3\sqrt{12}$

2) Simplify $(2xy^2)^3$

3) Complete $4.5\text{cm}^2 = \dots\dots\text{mm}^2$

4) Make x the subject of $y = \sqrt{\frac{x+a}{b}}$

5) Calculate the area of a semi-circle with diameter 12cm. Leave your answer in terms of π



- 1) Solve the inequality $3x - 5 > 5x + 7$

- 2) Expand and simplify $5(a - 2b) - 3(b + 2a)$

- 3) Work out $2\frac{2}{3} \div 1\frac{3}{5}$

- 4) Work out 0.28×3.9

- 5) Work out $47.67 \div 0.7$



1) Simplify $2\sqrt{75} + \sqrt{8} + \sqrt{27} - 3\sqrt{12}$

2) Simplify $a^4 \times a^2 \times b^3 \div a$

3) Complete $65\text{cm}^2 = \dots\dots\dots\text{m}^2$

4) Make x the subject of $9 + ax = 3x - b$

5) Calculate the area of a semi-circle with diameter 5cm. Leave your answer in terms of π



- 1) Solve the inequality $7x + 5 \geq 5x - 7$
and show the solution on a number line

- 2) Expand and simplify $3(2a - b) + 3(4b - 3a)$

- 3) Work out $4\frac{1}{6} \div 2\frac{3}{5}$

- 4) Work out 0.34×3.5

- 5) Work out $2.07 \div 0.6$



1) Simplify $\sqrt{20} + 2\sqrt{45} + \sqrt{50} + \sqrt{80}$

2) Simplify $a^5 \times a^3 \times b^2 \div a^2$

3) Complete $65\text{cm}^2 = \dots\dots\dots\text{mm}^2$

4) Make x the subject of $ax = xy + b$

5) Calculate the area of a semi-circle with diameter 10cm. Leave your answer in terms of π