

81_5

1) Work out $\pounds 75.80 - \pounds 6.35$



2) Evaluate 5^3

3) Solve $5x + 7 = 72$

4) Round 8099 to one significant figure

5) Work out -4^{-12}

81.6

1) Find the n^{th} term: 107, 113, 119, 125, ...



2) Simplify the ratio 66 : 90

3) Work out $8 \times \text{£}7.29$

4) Calculate the median of 23, 9, 31, 33, 24, 20

5) Complete the equivalent fraction $\frac{8}{7} = \frac{56}{?}$

82.5



1) Estimate $6087 \div 18.7$

2) Work out $\frac{5}{8} \times \frac{12}{13}$

3) Work out $\text{£}289 \div 4$

4) Expand $x(3x + 14)$

5) Express 90 as a product of prime factors

83.5



1) Factorise $28a - 12$

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

3) Work out 6.4×3.7

4) Work out $\frac{5}{9} - \frac{2}{3}$

5) Find the n^{th} term: 13, 10, 7, 4, ...

83.6

1) Work out $4.28 \div 0.2$

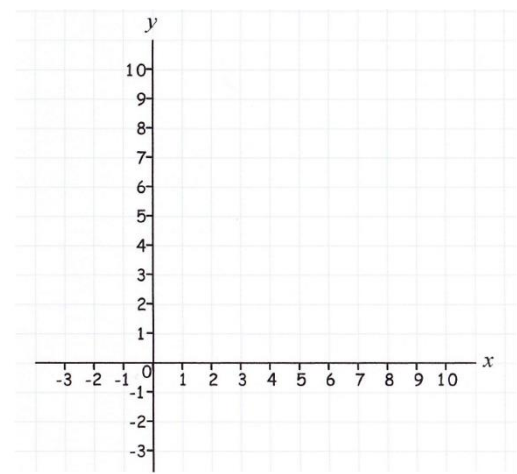


2) Solve the equation $5(4 + 2x) = 49$

3) Divide £35 in the ratio 7 : 3

4) Express $\frac{108}{200}$ as a percentage

5) Find the gradient of the line $y = -x + 9$



84.5



1) Find 95% of £140

2) Factorise $40 + 32x$

3) Solve $2(3x + 4) = 11$

4) Express 324 as a product of primes, and hence show that it's a square number

5) Calculate the mean of 6, 3, 8, 3, 6

84.6



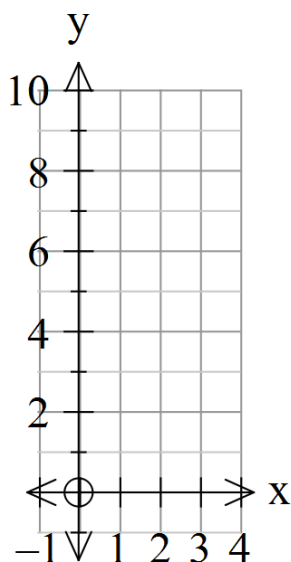
1) Work out $25 - 10 + 3^2$

2) Work out $6.24 \div 0.3$

3) Make x the subject of $y = \sqrt{x - b}$

4) Express $\frac{3}{8}$ as a percentage

5) Where does the line $y = -3x + 7$ cross the y -axis?



85.5



1) Work out $1.6 - 0.5 \times 1.2$

2) Complete the ratio $5 : 4 = ? : 24$

3) Solve $3x - 4 = 16 - 2x$

4) Does the point $(6, 2)$ lie on the line $y = 2x + 2$

5) Find the n^{th} term of the sequence $-3, -7, -11, -15, \dots$

85.6



1) Find the gradient and y-intercept of the line

$$2y - 6x = 8$$

2) Express 34 out of 40 as a percentage

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

4) Round 448.67 to one significant figure

5) Find 2% of £148

86.5



1) Work out $5\frac{3}{8} + 3\frac{3}{4}$

2) Simplify $4x^5 \div 8x^2$

3) Find the gradient and y-intercept of the line $2y = 8x - 3$

4) Solve $\frac{2x+6}{5} = 3$

5) Factorise fully $6x + 15x^3$

86.6



1) What is the 100th term of the following sequence

8, 5, 2, -1, -4, ...

2) Round 123.4567 correct to 2 decimal places

3) Work out $336 \div 24$

4) Increase £280 by 90%

5) By rounding each number to one significant figure, estimate

$$\frac{6407}{5.93 \times 53.8}$$