

71.1



1) Work out $50000 + 3000 + 70 + 0.7 + 0.003$

2) Work out 74×24

3) Simplify $7a + 3b - 2a - 2b$

4) Work out the value of $2a - 7$ when $a = 9$

5) Round 274 to one significant figure

71.2



1) Solve $x - 12 = 7$

2) Find the missing terms in the sequence 23, 31, ?, ?, 55,

3) Expand $3(4x - 2)$

4) Complete $127\text{cm} = \dots \text{m}$

5) What is the 5th cube number?

71.3



- 1) Work out $300000 + 5000 + 800 + 0.06 + 0.003$

- 2) Work out 78×87

- 3) Simplify $8a - 4a - 3a - b$

- 4) Work out the value of $4a + 6$ when $a = 8$

- 5) Round 3446 to one significant figure

71.4



1) Solve the equation $x \div 6 = 12$

2) Find the missing terms in the sequence 26, ?, 14, ?, 2,

3) Expand $4(3 - 7x)$

4) Complete $23.4\text{m} = \dots\dots\dots \text{cm}$

5) What is the 14th square number?

71.5



1) Work out $8000 + 600 + 8 + 0.06 + 0.003$

2) Work out 91×28

3) Simplify $5a - 7b + 3b - 8a$

4) Work out the value of $42 - 6c$ when $c = 2$

5) Round 961 to one significant figure

71.6



1) Solve the equation $x - 23 = 123$

2) Find the missing terms in the sequence 36, ?, ?, 48, 52,

3) Expand $6(x + 3)$

4) Complete $67.3\text{mm} = \dots\dots\dots \text{cm}$

5) What is the 100th square number?

72.1



1) Round 3528 to 1 significant figure

2) Find 15% of 420kg

3) Simplify $b \times b \times b \times b$

4) Find the missing terms in the sequence ?, 34, 28, ?, 16

5) Complete $8 : 12 = ? : 3$

72.2

1) Expand $2x(3x - 4)$



2) Solve $3x + 5 = 26$

3) What is the cube root of 64?

4) Complete $3.5\text{cm} = \dots\dots\dots\text{m}$

5) Work out 20×20

72.3



1) Round 39536 to 2 significant figures

2) Find 15% of 540kg

3) Simplify $e \times e \times e$

4) Find the missing terms in the sequence ?, 40, 33, ?, 19

5) Complete $8 : 12 = 24 : ?$



72.4

1) Expand $4x(3 - 5x)$

2) Solve $7x + 5 = 26$

3) What is the third cube number?

4) Complete $23\text{km} = \dots\dots\dots\text{m}$

5) Work out 50^2



72.5

1) Round 654321 to 2 significant figures

2) Find 5% of 720kg

3) Simplify $a \times a \times a \times a \times a$

4) Find the missing terms in the sequence ?, 11, 6, ?, -4

5) Complete $24 : ? = 8 : 12$



72.6

1) Expand $5x(6x - 10)$

2) Solve $4x + 3 = 27$

3) What is the sixth square number?

4) Complete $23\text{mm} = \dots\dots\dots\text{cm}$

5) Work out 50×60

73.1



1) Expand and simplify $3(4a - b) + 5(2a + 3b)$

2) Work out $3432 \div 24$

3) Work out $27000 \div 30$

4) Complete $6.3 \text{ litres} = \dots\dots\dots\text{ml}$

5) Work out 7.61×3.7

73.2



1) Round 60.79482 correct to 2 decimal places

2) Solve the equation $5(2x - 6) = 17$

3) Work out $23 - 3 \times 4 + 1$

4) Evaluate $4^2 + 4^3$

5) Work out $\frac{5}{6}$ of 222

73.3



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

2) Work out $7471 \div 31$

3) Work out $300000 \div 600$

4) Complete $2.4 \text{ litres} = \dots\dots\dots\text{cl}$

5) Work out 4.28×5.1

73.4



1) Round 345.678 correct to 2 decimal places

2) Solve the equation $3(2x - 5) = 27$

3) Work out $7 + 3 - 4 \times 2$

4) Evaluate $3^4 + 3^3$

5) Work out $\frac{2}{3}$ of 345



73.5

1) Expand and simplify $6(a - 2b) + 4(3a + 5b)$

2) Work out $5616 \div 16$

3) Work out $450000 \div 200$

4) Complete $68 \text{ cl} = \dots\dots\dots\text{ml}$

5) Work out 76.2×4.9

73.6



1) Round 283.5023 correct to 2 decimal places

2) Solve the equation $5(2x + 5) = 27$

3) Work out $8 \times 10 - 6 \div 2$

4) Evaluate $4^3 + 3^3$

5) Work out $\frac{3}{5}$ of 765

74.1



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

2) Work out the value of $40 - 3x$ when $x = 2$

3) Evaluate $3^3 \times 2^4$

4) Solve $2(2x + 3) = 7$

5) Complete $0.32 \text{ kg} \dots\dots\dots 48\text{g}$
(using $<$, $=$ or $>$)

74.2



1) Round 3.0468 to 1 decimal place

2) Find 30% of \$410

3) Find the missing terms in the sequence ?, 3, -1, ?, -9

4) **Estimate** 497×41

5) Express $3\frac{3}{4}$ as an improper fraction

74.3



1) Work out $\frac{5}{6} + \frac{2}{9}$

2) Work out the value of $4x - 15$ when $x = 3$

3) Evaluate $4^3 \times 1^7$

4) Solve $5(2x + 4) = 58$

5) Complete 0.78 m 9.3 cm
(using <, = or >)

74.4



1) Round 31612 to 2 significant figures

2) Find 5% of €540

3) Find the missing terms in the sequence ?, 7, 1, ?, -11

4) **Estimate**, by rounding each number to one significant figure,
 82×378

5) Express $4\frac{3}{5}$ as an improper fraction

74.5



1) Work out $\frac{4}{5} + \frac{1}{7}$

2) Work out the value of $12 - 6x$ when $x = 2$

3) Evaluate $5^2 \times 2^3$

4) Solve $3(2x - 4) = 18$

5) Complete $54.3 \text{ g} \dots\dots\dots 0.45 \text{ kg}$
(using $<$, $=$ or $>$)

74.6



1) Round 24.5038 to 2 decimal places

2) Find 95% of £220

3) Find the missing terms in the sequence ?, -12, -7, ?, 3

4) **Estimate**, by rounding each number to one significant figure,
 $625 \div 189$

5) Express $5\frac{2}{3}$ as an improper fraction

75.1



1) Work out $6696 \div 18$

2) What is the 6th prime number?

3) Simplify the ratio 240cm : 2m

4) Simplify $2^6 \div 2^2$

5) Express $\frac{29}{3}$ as a mixed number

75.2



1) Work out $\frac{2}{5}$ of £735

2) Express 0.32 as a fraction

3) Work out $2 \times (2 + 4^2)$

4) Expand and simplify $4(2c - d) + 3(3c + 2d)$

5) Work out $\frac{8}{11} \times \frac{3}{4}$

75.3



1) Work out $4928 \div 14$

2) List the factors of 28?

3) Simplify the ratio 2.4kg : 4g

4) Work out $\frac{3}{5}$ of 345kg

5) Simplify $3^6 \div 3^2$

75.4



1) Express $\frac{23}{6}$ as a mixed number

2) Express $\frac{7}{20}$ as a percentage

3) Work out $5^2 - (3 + 4) + 2$

4) Expand and simplify $3(a - 3b) + 4(3b + 5a)$

5) Work out $\frac{2}{3} \times \frac{6}{7}$

75.5



1) Work out $6099 \div 19$

2) What is the 7th prime number?

3) Simplify the ratio 230 ml : 6 litres

4) Work out $\frac{4}{7}$ of 4004kg

5) Simplify $5^4 \div 5$

75.6



1) Express $\frac{33}{8}$ as a mixed number

2) Express $\frac{9}{25}$ as a decimal

3) Work out $4 + (3 + 2)^2 \times 2$

4) Expand and simplify $4(2c - d) + 2(c - d)$

5) Work out $\frac{1}{2} \times \frac{1}{4}$

76.1



1) Find 65% of 370 litres

2) Work out the value $4 + 3r^2$ when $r = 2$

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

4) a, Find the highest common factor of 8 and 12

b, Find the lowest common multiple of 8 and 12

5) Solve $3(2x - 4) = -78$

76.2



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

2) Find the missing terms in the sequence ?, -23, -29, ?, -41

3) Estimate $\frac{382+5}{2.073}$

4) Does the point (4,10) lie on the line $y = 3x - 2$?

5) Complete 4560cm 6.8m
(using <, = or >)

76.3



1) Find 75% of 220 kg

2) Work out the value $24 + 2y^2$ when $y = -3$

3) Simplify $a^6b^2 \div ab$

4) a, Find the highest common factor of 12 and 16

b, Find the lowest common multiple of 12 and 16

5) Solve $5(2x - 7) = 40$

76.4



1) Work out $2\frac{5}{6} + 1\frac{3}{8}$

2) Find the missing terms in the sequence ?, 3, -2, ?, -12

3) Estimate $\frac{342 \times 0.21}{3.89}$

4) Does the point (5,13) lie on the line $y = 2x + 4$?

5) Complete 4.3km 784m
(using <, = or >)

76.5



1) Find 85% of 260 kg

2) Work out the value $3r^2 + 2r$ when $r = 4$

3) Simplify $a^3b^4 \div ab^3$

4) a, Find the highest common factor of 40 and 50

b, Find the lowest common multiple of 40 and 50

5) Solve $3(x - 4) = 18$

76.6



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

2) Find the missing terms in the sequence ?, -8, -1, ?, 13

3) Estimate $\frac{72 \times 39.4}{2.1374}$

4) Does the point (3 , 0) lie on the line $y = -2x + 6$?

5) Complete 850ml 1.2 litres
(using <, = or >)