

Name :

FB5.1

Question 1 Work out $\frac{1}{3}$ of £27	Question 2 Work out $\frac{10}{11}$ of £132	Question 3 Solve $9x + 5 = 59$	Question 4 Solve $11x - 4 = -48$
Question 5 Find 10% of £100	Question 6 Find 5% of £740	Question 7 Express as an improper fraction $2\frac{2}{7} =$	Question 8 Express as a mixed number $\frac{27}{7} =$
Question 9 Work out $6.7 \times 1000 =$	Question 10 Workout $5.17 \div 1000 =$	Question 11 Expand $4(11x + 7)$	Question 12 Simplify $5a + 2b + 6a - 6b$
Question 13 Work out $5 \times 5 + 4$	Question 14 Work out $4 \times 3 - 4$	Question 15 Find the sum of £4.20, £2.12 and 43p	Question 16 How much change would you get from £10 if you spent £1.72 and £1.22?
Question 17 Round 2099 to the nearest 100	Question 18 Round 1749 to the nearest 100	Question 19 Complete $35 \text{ m} = \dots \text{ cm}$	Question 20 Complete $8500 \text{ m} = \dots \text{ km}$

Question 21
What does product mean?

Score

Due date	Thursday 18 th April 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB5.1

Name :

FB5.2

Question 1 Work out $\frac{1}{6}$ of £120	Question 2 Work out $\frac{5}{7}$ of £84	Question 3 Solve $15x - 6 = 54$	Question 4 Solve $3x - 3 = 3$
Question 5 Find 10% of £90	Question 6 Find 20% of £580	Question 7 Express as an improper fraction $4\frac{2}{3} =$	Question 8 Express as a mixed number $\frac{15}{4} =$
Question 9 Work out $6.9 \times 100 =$	Question 10 Workout $3.68 \div 10 =$	Question 11 Expand $2(3 - 5x)$	Question 12 Simplify $8a + 4b - 3a + 3b$
Question 13 Work out $39 - 12 \times 3$	Question 14 Work out $4 \times (14 - 5)$	Question 15 Find the sum of £5.20, £8.27 and 57p	Question 16 What is $£10 - 2 \times £0.55$?
Question 17 Round 88 to the nearest 10	Question 18 Round 7461 to the nearest 100	Question 19 Complete $3970 \text{ cm} = \dots \text{ m}$	Question 20 Complete $10 \text{ km} = \dots \text{ m}$

Question 21

In 49145 which is the first significant figure

Score

Due date	Thursday 25 th April 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB5.2

Name :

FB5.3

Question 1 Work out $\frac{1}{9}$ of £108	Question 2 Work out $\frac{1}{7}$ of £84	Question 3 Solve $14x + 2 = 37$	Question 4 Solve $13x - 5 = 60$
Question 5 Find 10% of £90	Question 6 Find 20% of £800	Question 7 Express as an improper fraction $2\frac{1}{2} =$	Question 8 Express as a mixed number $\frac{21}{6} =$
Question 9 Work out $65.7 \times 10 =$	Question 10 Workout $52 \div 10 =$	Question 11 Expand $5(2x - 5)$	Question 12 Simplify $6a + 4b + 7a + 3b$
Question 13 Work out $7 \times 4 - 5$	Question 14 Work out $11 + 3 \times 5^2$	Question 15 Find the sum of £7.20, £4.43 and 26p	Question 16 How much change would you get from £10 if you spent £2.86 and £1.31?
Question 17 Round 2979 to the nearest 100	Question 18 Round 283 to the nearest 1000	Question 19 Complete $2090 \text{ cm} = \dots \text{ m}$	Question 20 Complete $4000 \text{ m} = \dots \text{ km}$

Question 21
What does solve mean?

Score

Due date	Thursday 2 nd May 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB5.3

Name :

FB5.4

Question 1 Work out $\frac{1}{6}$ of £66	Question 2 Work out $\frac{2}{5}$ of £25	Question 3 Solve $6x - 4 = 38$	Question 4 Solve $2x - 2 = 0$
Question 5 Find 10% of £30	Question 6 Find 20% of £200	Question 7 Express as an improper fraction $3\frac{1}{2} =$	Question 8 Express as a mixed number $\frac{14}{5} =$
Question 9 Work out $62.2 \times 10 =$	Question 10 Workout $77 \div 1000 =$	Question 11 Expand $3(5x - 11)$	Question 12 Simplify $8a + 3b - 4a - 5b$
Question 13 Work out $5 \times (2 + 3)$	Question 14 Work out $5 \times (6 + 2) \times 3$	Question 15 Find the sum of £8.20, £7.01 and 25p	Question 16 What is $£10 - 3 \times £1.13$?
Question 17 Round 239 to the nearest 100	Question 18 Round 5191 to the nearest 100	Question 19 Complete $3560 \text{ cm} = \dots \text{ m}$	Question 20 Complete $5.5 \text{ km} = \dots \text{ m}$

Question 21
What is an expression

Score

Due date	Thursday 9 th May 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB5.4

Name :

FB5.5

Question 1 Work out $\frac{1}{5}$ of £35	Question 2 Work out $\frac{4}{5}$ of £55	Question 3 Solve $15x - 2 = 13$	Question 4 Solve $8x + 2 = -30$
Question 5 Find 10% of £100	Question 6 Find 5% of £420	Question 7 Express as an improper fraction $2\frac{2}{3} =$	Question 8 Express as a mixed number $\frac{32}{7} =$
Question 9 Work out $66.7 \times 100 =$	Question 10 Workout $7.9 \div 10 =$	Question 11 Expand $2(3x + 7)$	Question 12 Simplify $10a + 2b + 4a + 7b$
Question 13 Work out $5 \times 5 - 2$	Question 14 Work out $6 + 7 \times 5^2$	Question 15 Find the sum of £8.30, £5.83 and 44p	Question 16 How much change would you get from £10 if you spent £0.50 and £3.75?
Question 17 Round 3045 to the nearest 100	Question 18 Round 7782 to the nearest 1000	Question 19 Complete $1170 \text{ cm} = \dots \text{ m}$	Question 20 Complete $4000 \text{ m} = \dots \text{ km}$

Question 21
What does simplify mean?

Score

Due date	Thursday 16 th May 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB5.5

Name :

FB5.6

Question 1 Work out $\frac{1}{5}$ of £95	Question 2 Work out $\frac{3}{11}$ of £77	Question 3 Solve $12x + 3 = 99$	Question 4 Solve $6x - 5 = 7$
Question 5 Find 10% of £90	Question 6 Find 20% of £160	Question 7 Express as an improper fraction $4\frac{1}{4} =$	Question 8 Express as a mixed number $\frac{3}{2} =$
Question 9 Work out $7.5 \times 1000 =$	Question 10 Workout $319 \div 10 =$	Question 11 Expand $6(2 - 7x)$	Question 12 Simplify $5a + 5b + 3a - 7b$
Question 13 Work out $5 \times (3 + 4)$	Question 14 Work out $3 + 2 \times 5^2$	Question 15 Find the sum of £6.10, £7.73 and 33p	Question 16 How much change would you get from £10 if you spent £2.10 and £0.77?
Question 17 Round 352 to the nearest 10	Question 18 Round 4331 to the nearest 1000	Question 19 Complete $2790 \text{ cm} = \dots \text{ m}$	Question 20 Complete $13000 \text{ m} = \dots \text{ km}$

Question 21
What is a parallelogram?

Score

Due date	Thursday 23 rd May 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB5.6

Name :

FB5.7

Question 1 Work out $\frac{1}{10}$ of £120	Question 2 Work out $\frac{2}{11}$ of £88	Question 3 Solve $5x + 5 = 15$	Question 4 Solve $11x + 3 = 58$
Question 5 Find 10% of £180	Question 6 Find 20% of £480	Question 7 Express as an improper fraction $1\frac{1}{6} =$	Question 8 Express as a mixed number $\frac{8}{3} =$
Question 9 Work out $4.9 \times 1000 =$	Question 10 Workout $419 \div 100 =$	Question 11 Expand $6(1 - 5x)$	Question 12 Simplify $10a + 4b - 6a + 8b$
Question 13 Work out $3 \times (14 - 7)$	Question 14 Work out $9 + 10 \times 2^2$	Question 15 Find the sum of £2.70, £8.60 and 25p	Question 16 How much change would you get from £10 if you spent £2.95 and £0.74?
Question 17 Round 1769 to the nearest 100	Question 18 Round 6571 to the nearest 100	Question 19 Complete $3950 \text{ cm} = \dots \text{ m}$	Question 20 Complete $1 \text{ km} = \dots \text{ m}$

Question 21
What does 'direct proportion' mean?

Score

Due date	Thursday 6 th June 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB5.7

Name :

FB6.1

Question 1 Round 7.7499 correct to 1 decimal place	Question 2 Round 8.12086 correct to 2 decimal places	Question 3 Express 69% as a fraction in its lowest form	Question 4 Express as a percentage $\frac{1}{10} =$
Question 5 Work out $2096 - 458 =$	Question 6 Work out $316 \times 6 =$	Question 7 Solve $x + 3 = 7$	Question 8 Solve $7x - 5 = 2$
Question 9 Work out $5 + 5 \times 5$	Question 10 Work out $10 + 5 \times 5$	Question 11 Work out the value of $23 - a$ when $a = 4$	Question 12 Work out the value of $24 - 4y$ when $y = 0.5$
Question 13 Expand $5(3x + 1)$	Question 14 Expand and simplify $4(2x + 4) + 5(3x - 5)$	Question 15 Find 5% of £340	Question 16 Find 10% of £800
Question 17 List the factors of 37	Question 18 What is the 7th prime number?	Question 19 Simplify $12 : 28$	Question 20 Simplify $10 : 22$

Question 21
What is a sequence?

Score

Due date	Thursday 13 th June 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.1

Name :

FB6.2

Question 1 Round 69.9581 correct to 1 decimal place	Question 2 Round 5.2488 correct to 1 decimal place	Question 3 Express 40% as a fraction in its lowest form	Question 4 Express as a percentage $\frac{4}{5} =$
Question 5 Work out $9807 - 129 =$	Question 6 Work out $732 \times 4 =$	Question 7 Solve $x - 3 = 5$	Question 8 Solve $15x + 3 = 18$
Question 9 Work out $2 + 12 \times 2$	Question 10 Work out $5 + 3 \times 5 + 12$	Question 11 Work out the value of $22 - 4x$ when $x = 2$	Question 12 Work out the value of $17 - x$ when $x = 5$
Question 13 Simplify $6x + 5 + 6x + 3$	Question 14 Expand and simplify $2(3x + 2) + 2(2x + 3)$	Question 15 Find 20% of £380	Question 16 Find 5% of £1000
Question 17 What is the 11th multiple of 13?	Question 18 What is the 6th square number?	Question 19 Simplify $12 : 18$	Question 20 Simplify $55 : 22$

Question 21
Write down an example of a term

Score

Due date	Thursday 20 th June 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check
Homework Sheet FB6.2

Name :

FB6.3

Question 1 Round 0.56981 correct to 2 decimal places	Question 2 Round 30.68845 correct to 2 decimal places	Question 3 Express 22% as a fraction in its lowest form	Question 4 Express as a percentage $\frac{3}{20} =$
Question 5 Work out $260 + 175 =$	Question 6 Work out $963 \div 3 =$	Question 7 Solve $x \div 4 = 7$	Question 8 Solve $13x - 4 = 61$
Question 9 Work out $59 + 7 \times 4$	Question 10 Work out $2 + 5 \times 2 - 6$	Question 11 Work out the value of $26 + 3x$ when $x = -3$	Question 12 Work out the value of $30 - 3x$ when $x = 3$
Question 13 Expand $2(3x + 1)$	Question 14 Expand and simplify $5(2x + 5) + 5(4x + 5)$	Question 15 Find 20% of £80	Question 16 Find 10% of £340
Question 17 List the factors of 48	Question 18 What is the 6th cube number?	Question 19 Simplify $24 : 56$	Question 20 Simplify $55 : 25$

Question 21
Write down an example of an expression

Score

Due date	Thursday 27 th June 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.3

Name :

FB6.4

Question 1 Round 0.52854 correct to 2 decimal places	Question 2 Round 38.65914 correct to 2 decimal places	Question 3 Express 90% as a fraction in its lowest form	Question 4 Express as a percentage $\frac{12}{20} =$
Question 5 Work out $624 + 440 =$	Question 6 Work out $612 \div 3 =$	Question 7 Solve $x - 4 = 8$	Question 8 Solve $15x + 2 = 32$
Question 9 Work out $3 + 3 \times 5$	Question 10 Work out $8 + 12 \times 2$	Question 11 Work out the value of $5y - 4$ when $y = 2$	Question 12 Work out the value of $22 - 3b^2$ when $b = -2$
Question 13 Expand $3(4x + 3)$	Question 14 Expand and simplify $3(3x + 4) + 4(4x - 3)$	Question 15 Find 5% of £920	Question 16 Find 5% of £860
Question 17 What is the 6th multiple of 3?	Question 18 What is the 2nd square number?	Question 19 Simplify $30 : 10$	Question 20 Simplify $22 : 26$

Question 21

What are factors?

Score

Due date	Thursday 4 th July 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.4

Name :

FB6.5

Question 1 Round 0.9011 correct to 1 decimal place	Question 2 Round 0.07706 correct to 2 decimal places	Question 3 Express 40% as a fraction in its lowest form	Question 4 Express as a percentage $\frac{3}{25} =$
Question 5 Work out $4561 + 4475 =$	Question 6 Work out $382 \times 4 =$	Question 7 Solve $x \div 4 = 11$	Question 8 Solve $6x - 6 = 6$
Question 9 Work out $12 + 4 \times 3$	Question 10 Work out $2 \times 4 + 4 \times 10$	Question 11 Work out the value of $12 + 3a$ when $a = 3$	Question 12 Work out the value of $21 - 4b$ when $b = -2$
Question 13 Simplify $5x + 5 + 5x + 8$	Question 14 Expand and simplify $4(3x + 4) + 2(6x + 5)$	Question 15 Find 20% of £180	Question 16 Find 20% of £300
Question 17 What is the 5th multiple of 12?	Question 18 What is the 12th square number?	Question 19 Simplify $35 : 55$	Question 20 Simplify $6 : 2$

Question 21
What are multiples?

Score

Due date	Thursday 11 th July 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.5

Name :

FB6.6

Question 1 Round 16.08871 correct to 2 decimal places	Question 2 Round 26.19016 correct to 2 decimal places	Question 3 Express 95% as a fraction in its lowest form	Question 4 Express as a percentage $\frac{11}{20} =$
Question 5 Work out $4676 + 4376 =$	Question 6 Work out $375 \div 5 =$	Question 7 Solve $x \times 9 = 99$	Question 8 Solve $8x + 6 = -10$
Question 9 Work out $9 + 5 \times 2$	Question 10 Work out $5 + 4 \times 4 - 7$	Question 11 Work out the value of $2y - 5$ when $y = 2$	Question 12 Work out the value of $26 + 5b$ when $b = -3$
Question 13 Expand $4(4x + 3)$	Question 14 Expand and simplify $3(2x + 3) + 5(5x + 4)$	Question 15 Find 5% of £600	Question 16 Find 20% of £340
Question 17 List the factors of 44	Question 18 What is the 2nd prime number?	Question 19 Simplify $21 : 49$	Question 20 Simplify $49 : 77$

Question 21

What are common factors?

Score

Due date	Thursday 18 th July 2024
Name	



GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.6