

Due date	Thursday 18 th January 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FB6.1

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 25 th January 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FB6.2

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 1 st February 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FB6.3

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 8 th February 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FB6.4

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 <input type="text"/>		

Due date	Thursday 22 nd February 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FB6.5

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 29 th February 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FA1.1

Name :

FA1.1

Question 1 What is the 9th multiple of 15?	Question 2 List the factors of 49	Question 3 Work out $76.5 + 25.2 =$	Question 4 Work out $5.56 + 3.29 =$
Question 5 Work out $10 + -5 =$	Question 6 Work out $-8 + 6 =$	Question 7 Work out $29 \times 34 =$	Question 8 Work out $40 \times 30 =$
Question 9 Work out $12 \times 0.4 =$	Question 10 Work out $5 \times 0.4 =$	Question 11 Work out $4 \times 4 + 3$	Question 12 Work out $11 \times (4 + 3)$
Question 13 Simplify $10a + 3b - 8a - 4b$	Question 14 Simplify $6a + 2b + 5a - 6b$	Question 15 Solve $13x + 3 = -10$	Question 16 Solve $9x - 4 = 23$
Question 17 Find the median 19, 15, 9, 10, 25	Question 18 Find the median 13, 24, 18, 13, 21	Question 19 Calculate the perimeter of a square with side length 11 cm	Question 20 Calculate the area of a rectangle with height 14 cm and length 9 cm

Question 21

What does 'significant figure' mean?

Score

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Due date	Thursday 7 th March 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FA1.2

Name :

FA1.2

Question 1 What is the 15th square number?	Question 2 List the factors of 25	Question 3 Work out $42.4 + 32.9 =$	Question 4 Work out $6.27 + 6.01 =$
Question 5 Work out $10 - 1 =$	Question 6 Work out $-2 + 1 =$	Question 7 Work out $69 \times 78 =$	Question 8 Work out $82 \times 61 =$
Question 9 Work out $2 \times 0.3 =$	Question 10 Work out $4 \times 1.2 =$	Question 11 Work out $4 \times 4 + 5$	Question 12 Work out $54 - 8 \times 2$
Question 13 Simplify $6a + 4b + 3a + 7b$	Question 14 Simplify $9a + 3b + 3a + 6b$	Question 15 Solve $9x + 5 = 59$	Question 16 Solve $3x - 4 = 11$
Question 17 Calculate the mean 18, 3, 6, 10, 38	Question 18 Calculate the mean 14, 8, 10, 4, 44	Question 19 Calculate the perimeter of a square with side length 9 cm	Question 20 Calculate the perimeter of a rectangle with height 7 cm and length 9 cm

Question 21
 What does 'direct proportion' mean?

Score

Due date	Thursday 14 th March 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FA1.3

Name :

FA1.3

Question 1 What is the 6th cube number?	Question 2 What is the 5th cube number?	Question 3 Work out $66.5 + 45.2 =$	Question 4 Work out $8.2 + 7.15 =$
Question 5 Work out $7 - -3 =$	Question 6 Work out $6 + -7 =$	Question 7 Work out $82 \times 20 =$	Question 8 Work out $73 \times 20 =$
Question 9 Work out $9 \times 0.4 =$	Question 10 Work out $12 \times 0.7 =$	Question 11 Work out $5 \times 4 - 3$	Question 12 Work out $9 + 5 \times 5$
Question 13 Simplify $8a + 4b - 7a - 3b$	Question 14 Simplify $9a + 5b - 7a + 6b$	Question 15 Solve $11x + 2 = 68$	Question 16 Solve $8x + 4 = -12$
Question 17 Find the median 13, 22, 21, 25, 15	Question 18 Find the median 10, 11, 14, 20, 10	Question 19 Calculate the perimeter of a regular pentagon with side length 7 cm	Question 20 Calculate the area of a square with side length 12 cm

Question 21
What is a prism?

Score

Due date	Thursday 21 st March 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FA1.4

Name :

FA1.4

Question 1 What is the 10th multiple of 7?	Question 2 What is the 7th multiple of 5?	Question 3 Work out $47.8 + 22.7 =$	Question 4 Work out $7.32 + 4.76 =$
Question 5 Work out $-8 + -3 =$	Question 6 Work out $-3 - 10 =$	Question 7 Work out $69 \times 55 =$	Question 8 Work out $45 \times 30 =$
Question 9 Work out $7 \times 1.2 =$	Question 10 Work out $11 \times 0.2 =$	Question 11 Work out $2 + 9 \times 5$	Question 12 Work out $34 - 8 \times 4$
Question 13 Simplify $5a + 4b + 8a + 4b$	Question 14 Simplify $9a + 2b - 6a + 5b$	Question 15 Solve $11x + 6 = 28$	Question 16 Solve $11x + 4 = 81$
Question 17 Calculate the mean 18, 7, 18, 11, 21	Question 18 Find the median 24, 11, 25, 6, 8	Question 19 Calculate the area of a square with side length 9 cm	Question 20 Calculate the perimeter of a regular pentagon with side length 8 cm

Question 21
 What does perpendicular mean?

Score

Due date	Thursday 28 th March 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FA1.5

Name :

FA1.5

Question 1 What is the 5th cube number?	Question 2 What is the 3rd cube number?	Question 3 Work out $22.6 + 13.2 =$	Question 4 Work out $9.39 + 2.21 =$
Question 5 Work out $-5 + -9 =$	Question 6 Work out $-8 - 7 =$	Question 7 Work out $67 \times 48 =$	Question 8 Work out $33 \times 78 =$
Question 9 Work out $70 \times 0.1 =$	Question 10 Work out $11 \times 0.3 =$	Question 11 Work out $11 + 9 \times 5$	Question 12 Work out $59 - 5 \times 2$
Question 13 Simplify $7a + 5b + 6a + 8b$	Question 14 Simplify $9a + 5b - 8a + 8b$	Question 15 Solve $3x - 4 = 8$	Question 16 Solve $11x - 3 = 52$
Question 17 Find the median 16, 15, 15, 15, 6	Question 18 Find the median 14, 16, 11, 23, 10	Question 19 Calculate the area of a square with side length 12 cm	Question 20 Calculate the perimeter of a square with side length 15 cm

Question 21
 What is a trapezium?

Score

Due date	Thursday 11 th April 2024
Name	



GCSE Maths homework 10b1

Year 10 terms 3 & 4

Knowledge Check
Homework Sheet FA1.6

Name :

FA1.6

Question 1 What is the 12th square number?	Question 2 What is the 9th square number?	Question 3 Work out $96.2 + 3.6 =$	Question 4 Work out $5.07 + 2.02 =$
Question 5 Work out $4 + 8 =$	Question 6 Work out $-10 - 1 =$	Question 7 Work out $76 \times 43 =$	Question 8 Work out $76 \times 13 =$
Question 9 Work out $0.8 \times 10 =$	Question 10 Work out $2 \times 0.6 =$	Question 11 Work out $28 - 12 \times 3$	Question 12 Work out $5 \times 5 - 4$
Question 13 Simplify $7a + 3b + 4a - 8b$	Question 14 Simplify $10a + 3b - 3a + 6b$	Question 15 Solve $3x - 4 = 0.5$	Question 16 Solve $14x - 6 = 8$
Question 17 Find the median 13, 16, 11, 7, 5	Question 18 Find the median 22, 7, 12, 6, 21	Question 19 Calculate the area of a square with side length 3 cm	Question 20 Calculate the perimeter of a regular octagon with side length 7 cm

Question 21

How many sides has a dodecagon?

Score