Due date	Thursday 18th January 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FB6.1

Name :

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 $\dfrac{1}{10} =$
Question 5 Work out 2096 - 458 =	**Question 6** Work out 316 × 6 =	**Question 7** Solve x + 3 = 7	**Question 8** Solve 7x - 5 = 2
Question 9 Work out 5 + 5 × 5	**Question 10** Work out 10 + 5 × 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 25th January 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet 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 $\dfrac{4}{5} =$
Question 5 Work out 9807 - 129 =	**Question 6** Work out 732 × 4 =	**Question 7** Solve x - 3 = 5	**Question 8** Solve 15x + 3 = 18
Question 9 Work out 2 + 12 × 2	**Question 10** Work out 5 + 3 × 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 1st February 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet 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 $\dfrac{3}{20} =$
Question 5 Work out 260 + 175 =	**Question 6** Work out 963 ÷ 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 8th February 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FB6.4

Name : FB6.4

Question 1	Question 2	Question 3	Question 4
Round 0.52854 correct to 2 decimal places	Round 38.65914 correct to 2 decimal places	Express 90% as a fraction in its lowest form	Express as a percentage $$\frac{12}{20} =$$
Question 5	**Question 6**	**Question 7**	**Question 8**
Work out 624 + 440 =	Work out 612 ÷ 3 =	Solve x - 4 = 8	Solve 15x + 2 = 32
Question 9	**Question 10**	**Question 11**	**Question 12**
Work out 3 + 3 × 5	Work out 8 + 12 × 2	Work out the value of 5y - 4 when y = 2	Work out the value of 22 - 3b² when b = -2
Question 13	**Question 14**	**Question 15**	**Question 16**
Expand 3(4x + 3)	Expand and simplify 3(3x + 4) + 4(4x - 3)	Find 5% of £920	Find 5% of £860
Question 17	**Question 18**	**Question 19**	**Question 20**
What is the 6th multiple of 3?	What is the 2nd square number?	Simplify 30 : 10	Simplify 22 : 26

Question 21
What are factors?

Score

Due date	Thursday 22nd February 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FB6.5

Name :

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 × 4 =	Question 7 Solve x ÷ 4 = 11	Question 8 Solve 6x - 6 = 6
Question 9 Work out 12 + 4 × 3	Question 10 Work out 2 × 4 + 4 × 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 29th February 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FA1.1

Name :

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

Question 21
     What does 'significant figure' mean?

Score

Due date	Thursday 7th March 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FA1.2

Name :   FA1.2

Question 1	Question 2	Question 3	Question 4
What is the 15th square number?	List the factors of 25	Work out 42.4 + 32.9 =	Work out 6.27 + 6.01 =

Question 5	Question 6	Question 7	Question 8
Work out 10 - 1 =	Work out -2 + 1 =	Work out 69 × 78 =	Work out 82 × 61 =

Question 9	Question 10	Question 11	Question 12
Work out 2 × 0.3 =	Work out 4 × 1.2 =	Work out 4 × 4 + 5	Work out 54 - 8 × 2

Question 13	Question 14	Question 15	Question 16
Simplify 6a + 4b + 3a + 7b	Simplify 9a + 3b + 3a + 6b	Solve 9x + 5 = 59	Solve 3x - 4 = 11

Question 17	Question 18	Question 19	Question 20
Calculate the mean 18, 3, 6, 10, 38	Calculate the mean 14, 8, 10, 4, 44	Calculate the perimeter of a square with side length 9 cm	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 14th March 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FA1.3

Name :

Question 1	Question 2	Question 3	Question 4
What is the 6th cube number?	What is the 5th cube number?	Work out 66.5 + 45.2 =	Work out 8.2 + 7.15 =

Question 5	Question 6	Question 7	Question 8
Work out 7 - -3 =	Work out 6 + -7 =	Work out 82 × 20 =	Work out 73 × 20 =

Question 9	Question 10	Question 11	Question 12
Work out 9 × 0.4 =	Work out 12 × 0.7 =	Work out 5 × 4 - 3	Work out 9 + 5 × 5

Question 13	Question 14	Question 15	Question 16
Simplify 8a + 4b - 7a - 3b	Simplify 9a + 5b - 7a + 6b	Solve 11x + 2 = 68	Solve 8x + 4 = -12

Question 17	Question 18	Question 19	Question 20
Find the median 13, 22, 21, 25, 15	Find the median 10, 11, 14, 20, 10	Calculate the perimeter of a regular pentagon with side length 7 cm	Calculate the area of a square with side length 12 cm

Question 21
What is a prism?

Score

Due date	Thursday 21st March 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FA1.4

Name :

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 × 55 =	**Question 8** Work out 45 × 30 =
Question 9 Work out 7 × 1.2 =	**Question 10** Work out 11 × 0.2 =	**Question 11** Work out 2 + 9 × 5	**Question 12** Work out 34 - 8 × 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 28th March 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FA1.5

Name :

Question 1	Question 2	Question 3	Question 4
What is the 5th cube number?	What is the 3rd cube number?	Work out $22.6 + 13.2 =$	Work out $9.39 + 2.21 =$

Question 5	Question 6	Question 7	Question 8
Work out $-5 + -9 =$	Work out $-8 - 7 =$	Work out $67 \times 48 =$	Work out $33 \times 78 =$

Question 9	Question 10	Question 11	Question 12
Work out $70 \times 0.1 =$	Work out $11 \times 0.3 =$	Work out $11 + 9 \times 5$	Work out $59 - 5 \times 2$

Question 13	Question 14	Question 15	Question 16
Simplify $7a + 5b + 6a + 8b$	Simplify $9a + 5b - 8a + 8b$	Solve $3x - 4 = 8$	Solve $11x - 3 = 52$

Question 17	Question 18	Question 19	Question 20
Find the median 16, 15, 15, 15, 6	Find the median 14, 16, 11, 23, 10	Calculate the area of a square with side length 12 cm	Calculate the perimeter of a square with side length 15 cm

Question 21
What is a trapezium?

Score

Due date	Thursday 11th April 2024
Name	

GCSE Maths homework 11b3

Year 11 terms 3 & 4

Knowledge Check

Homework Sheet FA1.6

Name :

Question 1	Question 2	Question 3	Question 4
What is the 12th square number?	What is the 9th square number?	Work out $96.2 + 3.6 =$	Work out $5.07 + 2.02 =$

Question 5	Question 6	Question 7	Question 8
Work out $4 + 8 =$	Work out $-10 - 1 =$	Work out $76 \times 43 =$	Work out $76 \times 13 =$

Question 9	Question 10	Question 11	Question 12
Work out $0.8 \times 10 =$	Work out $2 \times 0.6 =$	Work out $28 - 12 \times 3$	Work out $5 \times 5 - 4$

Question 13	Question 14	Question 15	Question 16
Simplify $7a + 3b + 4a - 8b$	Simplify $10a + 3b - 3a + 6b$	Solve $3x - 4 = 0.5$	Solve $14x - 6 = 8$

Question 17	Question 18	Question 19	Question 20
Find the median 13, 16, 11, 7, 5	Find the median 22, 7, 12, 6, 21	Calculate the area of a square with side length 3 cm	Calculate the perimeter of a regular octagon with side length 7 cm

Question 21
How many sides has a dodecagon?

Score