

Due date	Thursday 14 th September 2023
Name	



Year 10

Class 10b1 and 10b2

Homework

Knowledge Check

Homework Sheet FB1.1

Name :

FB1.1

Question 1 List the factors of 28	Question 2 List the factors of 73	Question 3 Write in figures : two thousand, seven hundred and three units	Question 4 Write in figures : twenty three thousand, two tens and six units
Question 5 Work out $392 + 156 =$	Question 6 Work out $512 + 77 =$	Question 7 Work out $880 - 329 =$	Question 8 Work out $215 - 59 =$
Question 9 Work out $54 \times 8 =$	Question 10 Work out $65 \times 8 =$	Question 11 Work out $789 \times 10 =$	Question 12 Work out $228 \times 100 =$
Question 13 Simplify $5b - 2b + 8b$	Question 14 Simplify $6x + 3x - 6x$	Question 15 Solve $x \times 12 = 108$	Question 16 Solve $x \div 10 = 8$
Question 17 Calculate the mean 2, 6, 6, 5, 6	Question 18 Find the median 13, 8, 21, 6, 21	Question 19 Calculate the perimeter of a square with side length 5 cm	Question 20 Calculate the perimeter of a rectangle with height 11 cm and length 3 cm

Question 21

What does 'significant figure' mean?

Score

Due date	Thursday 21 st September 2023
Name	



Year 10

Class 10b1 and 10b2

Homework

Knowledge Check

Homework Sheet FB1.2

Name :

FB1.2

Question 1 List the factors of 25	Question 2 What is the 4th multiple of 11?	Question 3 Write in figures : twenty one thousand, five tens and six units	Question 4 Write in figures : one hundred and eighty five thousand, seven hundred and eight units
Question 5 Work out $524 + 344 =$	Question 6 Work out $360 + 81 =$	Question 7 Work out $819 - 288 =$	Question 8 Work out $685 - 89 =$
Question 9 Work out $85 \times 3 =$	Question 10 Work out $37 \times 4 =$	Question 11 Work out $276 \times 100 =$	Question 12 Work out $8 \times 10 =$
Question 13 Simplify $10x - 2x + 7x$	Question 14 Simplify $9b + 3b + 4b$	Question 15 Solve $x + 6 = 10$	Question 16 Solve $x \div 4 = 12$
Question 17 Find the median 6, 19, 9, 21, 6	Question 18 Calculate the mean 10, 16, 12, 3, 39	Question 19 Calculate the perimeter of a square with side length 7 cm	Question 20 Calculate the perimeter of a regular hexagon with side length 3 cm

Question 21
What does 'direct proportion' mean?

Score

Due date	Thursday 28 th September 2023
Name	



Year 10

Class 10b1 and 10b2

Homework

Knowledge Check

Homework Sheet FB1.3

Name :

FB1.3

Question 1 List the factors of 27	Question 2 What is the 11th multiple of 8?	Question 3 Write in figures : twenty three thousand, seven tens and nine units	Question 4 Write in figures : one hundred and thirty nine thousand, two hundred and four units
Question 5 Work out $478 + 214 =$	Question 6 Work out $294 + 55 =$	Question 7 Work out $704 - 365 =$	Question 8 Work out $731 - 76 =$
Question 9 Work out $25 \times 4 =$	Question 10 Work out $71 \times 3 =$	Question 11 Work out $97 \times 1000 =$	Question 12 Work out $100 \times 10 =$
Question 13 Simplify $9a + 5a + 3a$	Question 14 Simplify $6a + 4a - 4a$	Question 15 Solve $x + 12 = 22$	Question 16 Solve $x + 4 = 6$
Question 17 Calculate the mean 18, 16, 7, 26, 43	Question 18 Find the median 7, 9, 15, 11, 24	Question 19 Calculate the perimeter of a regular pentagon with side length 5 cm	Question 20 Calculate the perimeter of a rectangle with height 10 cm and length 9 cm

Question 21
What is a prism?

Score

Due date	Thursday 5 th October 2023
Name	



Year 10

Class 10b1 and 10b2

Homework

Knowledge Check

Homework Sheet FB1.4

Name :

FB1.4

Question 1 What is the 11th multiple of 15?	Question 2 What is the 8th multiple of 12?	Question 3 Write in figures : five thousand, two hundreds and five units	Question 4 Write in figures : sixty five thousand, five hundred and two units
Question 5 Work out $648 + 531 =$	Question 6 Work out $225 + 80 =$	Question 7 Work out $856 - 116 =$	Question 8 Work out $674 - 80 =$
Question 9 Work out $20 \times 4 =$	Question 10 Work out $95 \times 7 =$	Question 11 Work out $479 \times 10 =$	Question 12 Work out $85 \times 1000 =$
Question 13 Simplify $7x + 5x + 3x$	Question 14 Simplify $9b + 2b - 3b$	Question 15 Solve $x \div 4 = 7$	Question 16 Solve $x \times 2 = 14$
Question 17 Find the median 12, 7, 18, 19, 21	Question 18 Calculate the mean 5, 2, 7, 12, 29	Question 19 Calculate the perimeter of a square with side length 3 cm	Question 20 Calculate the perimeter of a square with side length 8 cm

Question 21
What does perpendicular mean?

Score

Due date	Thursday 12 th October 2023
Name	



Year 10

Class 10b1 and 10b2

Homework

Knowledge Check

Homework Sheet FB1.5

Name :

FB1.5

Question 1 List the factors of 38	Question 2 What is the 6th multiple of 14?	Question 3 Write in figures : one hundred and forty thousand, two hundred and two units	Question 4 Write in figures : twenty eight thousand, three tens and six units
Question 5 Work out $317 + 276 =$	Question 6 Work out $174 + 69 =$	Question 7 Work out $763 - 190 =$	Question 8 Work out $552 - 57 =$
Question 9 Work out $49 \times 5 =$	Question 10 Work out $48 \times 5 =$	Question 11 Work out $7 \times 1000 =$	Question 12 Work out $442 \times 100 =$
Question 13 Simplify $8c - 5c - 3c$	Question 14 Simplify $8x - 3x + 4x$	Question 15 Solve $x \div 2 = 7$	Question 16 Solve $x \times 5 = 40$
Question 17 Calculate the mean 17, 6, 3, 2, 42	Question 18 Find the median 23, 9, 20, 8, 22	Question 19 Calculate the perimeter of a regular hexagon with side length 10 cm	Question 20 Calculate the perimeter of a square with side length 6 cm

Question 21
What is a trapezium?

Score

Due date	Thursday 19 th October 2023
Name	



Year 10

Class 10b1 and 10b2

Homework

Knowledge Check

Homework Sheet FB1.6

Name :

FB1.6

Question 1 What is the 13th multiple of 15?	Question 2 List the factors of 25	Question 3 Write in figures : ten thousand, three tens and three units	Question 4 Write in figures : thirteen thousand, two tens and two units
Question 5 Work out $383 + 230 =$	Question 6 Work out $384 + 76 =$	Question 7 Work out $895 - 583 =$	Question 8 Work out $405 - 67 =$
Question 9 Work out $19 \times 5 =$	Question 10 Work out $34 \times 4 =$	Question 11 Work out $39 \times 1000 =$	Question 12 Work out $9 \times 1000 =$
Question 13 Simplify $10x - 4x + 8x$	Question 14 Simplify $10x + 4x - 3x$	Question 15 Solve $x \times 4 = 28$	Question 16 Solve $x + 6 = 15$
Question 17 Find the median 20, 6, 20, 5, 9	Question 18 Calculate the mean 8, 16, 7, 16, 18	Question 19 Calculate the perimeter of a rectangle with height 11 cm and length 13 cm	Question 20 Calculate the perimeter of a rectangle with height 8 cm and length 10 cm

Question 21
How many sides has a dodecagon?

Score

Due date	Thursday 9 th November 2023
Name	



Year 10

Class 10b1 and 10b2

Homework

Knowledge Check

Homework Sheet FB1.7

Name :

FB1.7

Question 1 What is the 4th multiple of 12?	Question 2 List the factors of 90	Question 3 Write in figures : four thousand, seven hundreds and seven units	Question 4 Write in figures : two thousand, seven hundreds and nine units
Question 5 Work out $665 + 349 =$	Question 6 Work out $161 + 65 =$	Question 7 Work out $637 - 238 =$	Question 8 Work out $909 - 93 =$
Question 9 Work out $38 \times 3 =$	Question 10 Work out $22 \times 3 =$	Question 11 Work out $8 \times 10 =$	Question 12 Work out $10 \times 100 =$
Question 13 Simplify $9b + 4b + 3b$	Question 14 Simplify $7b + 3b - 5b$	Question 15 Solve $x \times 7 = 63$	Question 16 Solve $x \div 11 = 2$
Question 17 Find the median 12, 21, 23, 16, 23	Question 18 Find the median 14, 13, 13, 10, 22	Question 19 Calculate the perimeter of a rectangle with height 6 cm and length 15 cm	Question 20 Calculate the perimeter of a square with side length 7 cm

Question 21
What is a polygon?

Score

Due date	Thursday 16 th November 2023
Name	



Year 10

Class 10b1 and b2

Homework

Knowledge Check

Homework Sheet FB2.1

Name :

FB2.1

Question 1 Simplify $7a + 5b - 5a - 6b$	Question 2 Simplify $7a + 4b + 7a - 3b$	Question 3 Expand $5(7x - 1)$	Question 4 Expand $6(2x + 7)$
Question 5 Work out $161 \times 5 =$	Question 6 Work out $23 \times 80 =$	Question 7 Complete $18000 \text{ m} = \dots \text{ km}$	Question 8 Complete $250 \text{ cm} = \dots \text{ m}$
Question 9 Work out $\frac{1}{2}$ of £80	Question 10 Work out $\frac{1}{4}$ of £120	Question 11 Work out $£23.20 + £6.90 =$	Question 12 Work out $£80.30 + £41.65 =$
Question 13 Work out $£21.55 - £6.60 =$	Question 14 Work out $£35.20 - £20.65 =$	Question 15 Work out the value of $y \div 2$ when $y = 12$	Question 16 Work out the value of $6a - 7$ when $a = 3$
Question 17 Work out $1.8 \times 10 =$	Question 18 Work out $38.5 \times 1000 =$	Question 19 Solve $x - 3 = 9$	Question 20 Solve $x - 6 = 1$

Question 21

What does 'significant figure' mean?

Score

Due date	Thursday 23 rd November 2023
Name	



Year 10

Class 10b1 and b2

Homework

Knowledge Check

Homework Sheet FB2.2

Name :

FB2.2

Question 1 Simplify $9a + 3b + 4a - 6b$	Question 2 Simplify $7a + 3b + 8a + 8b$	Question 3 Expand $6(7x + 3)$	Question 4 Expand $5(2 + 11x)$
Question 5 Work out $471 \times 6 =$	Question 6 Work out $84 \times 27 =$	Question 7 Complete $9000 \text{ m} = \dots \text{ km}$	Question 8 Complete $120 \text{ mm} = \dots \text{ cm}$
Question 9 Work out $\frac{1}{2}$ of $\text{£}74$	Question 10 Work out $\frac{1}{4}$ of $\text{£}128$	Question 11 Work out $\text{£}61.70 + \text{£}11.20 =$	Question 12 Work out $\text{£}65.05 + \text{£}8.60 =$
Question 13 Work out $\text{£}12.35 - \text{£}11.15 =$	Question 14 Work out $\text{£}50.70 - \text{£}34.65 =$	Question 15 Work out the value of $b - 6$ when $b = 16$	Question 16 Work out the value of $c \div 5$ when $c = 35$
Question 17 Work out $1.62 \times 10 =$	Question 18 Work out $18.3 \times 1000 =$	Question 19 Solve $x \div 5 = 5$	Question 20 Solve $x + 2 = 8$

Question 21

What does 'direct proportion' mean?

Score

Due date	Thursday 30 th November 2023
Name	



Year 10

Class 10b1 and b2

Homework

Knowledge Check

Homework Sheet FB2.3

Name :

FB2.3

Question 1 Simplify $8a + 4b - 7a - 5b$	Question 2 Simplify $8a + 4b - 6a + 4b$	Question 3 Expand $5(2 + 11x)$	Question 4 Expand $3(11 - 2x)$
Question 5 Work out $472 \times 4 =$	Question 6 Work out $21 \times 54 =$	Question 7 Complete $800 \text{ cm} = \dots \text{ m}$	Question 8 Complete $7.4 \text{ m} = \dots \text{ cm}$
Question 9 Work out $\frac{1}{2}$ of £58	Question 10 Work out $\frac{1}{4}$ of £108	Question 11 Work out $£56.25 + £25.65 =$	Question 12 Work out $£66.85 + £4.65 =$
Question 13 Work out $£83.55 - £8.60 =$	Question 14 Work out $£56.41 - £14.05 =$	Question 15 Work out the value of $c - 8$ when $c = 15$	Question 16 Work out the value of $a + 7$ when $a = 4$
Question 17 Work out $16.62 \times 1000 =$	Question 18 Work out $18.66 \times 1000 =$	Question 19 Solve $x + 6 = 13$	Question 20 Solve $x \div 10 = 3$

Question 21

What is a prism?

Score

Due date	Thursday 7 th December 2023
Name	



Year 10

Class 10b1 and b2

Homework

Knowledge Check

Homework Sheet FB2.4

Name :

FB2.4

Question 1 Simplify $8a + 3b + 8a - 4b$	Question 2 Simplify $7a + 5b + 8a - 4b$	Question 3 Expand $4(1 + 5x)$	Question 4 Expand $4(7x + 5)$
Question 5 Work out $654 \times 7 =$	Question 6 Work out $82 \times 26 =$	Question 7 Complete $180 \text{ mm} = \dots \text{ cm}$	Question 8 Complete $11500 \text{ m} = \dots \text{ km}$
Question 9 Work out $\frac{1}{2}$ of £76	Question 10 Work out $\frac{1}{4}$ of £104	Question 11 Work out $£35.90 + £6.60 =$	Question 12 Work out $£85.20 + £50.55 =$
Question 13 Work out $£37.50 - £9.30 =$	Question 14 Work out $£32.15 - £29.10 =$	Question 15 Work out the value of $6c - 7$ when $c = 4$	Question 16 Work out the value of $2a$ when $a = 10$
Question 17 Work out $2.15 \times 100 =$	Question 18 Work out $3.37 \times 1000 =$	Question 19 Solve $x + 11 = 14$	Question 20 Solve $x - 4 = 7$

Question 21
What does perpendicular mean?

Score

Due date	Thursday 14 th December 2023
Name	



Year 10

Class 10b1 and b2

Homework

Knowledge Check

Homework Sheet FB2.5

Name :

FB2.5

Question 1 Simplify $5a + 4b + 8a - 6b$	Question 2 Simplify $10a + 5b + 8a - 4b$	Question 3 Expand $2(5 - 7x)$	Question 4 Expand $6(3 - 2x)$
Question 5 Work out $190 \times 3 =$	Question 6 Work out $45 \times 35 =$	Question 7 Complete $210 \text{ mm} = \dots \text{ cm}$	Question 8 Complete $100 \text{ mm} = \dots \text{ cm}$
Question 9 Work out $\frac{1}{2}$ of £38	Question 10 Work out $\frac{1}{4}$ of £152	Question 11 Work out $£96.65 + £8.10 =$	Question 12 Work out $£33.65 + £41.40 =$
Question 13 Work out $£46.80 - £23.60 =$	Question 14 Work out $£9.45 - £7.00 =$	Question 15 Work out the value of $6a + 10$ when $a = 8$	Question 16 Work out the value of $25 - 2a$ when $a = 4$
Question 17 Work out $2.128 \times 1000 =$	Question 18 Work out $1.106 \times 100 =$	Question 19 Solve $x + 4 = 13$	Question 20 Solve $x \times 9 = 36$

Question 21
What is a trapezium?

Score

Due date	Thursday 21 st December 2023
Name	



Year 10

Class 10b1 and b2

Homework

Knowledge Check

Homework Sheet FB2.6

Name :

FB2.6

Question 1 Simplify $6a + 5b + 4a + 4b$	Question 2 Simplify $10a + 3b + 6a - 6b$	Question 3 Expand $4(11x + 5)$	Question 4 Expand $2(7 - 5x)$
Question 5 Work out $273 \times 9 =$	Question 6 Work out $94 \times 20 =$	Question 7 Complete $170 \text{ mm} = \dots \text{ cm}$	Question 8 Complete $6500 \text{ m} = \dots \text{ km}$
Question 9 Work out $\frac{1}{2}$ of £53	Question 10 Work out $\frac{1}{4}$ of £156	Question 11 Work out $£59.85 + £46.30 =$	Question 12 Work out $£71.45 + £8.90 =$
Question 13 Work out $£91.80 - £39.95 =$	Question 14 Work out $£68.55 - £30.80 =$	Question 15 Work out the value of $b - 2$ when $b = 18$	Question 16 Work out the value of $20 - 3y$ when $y = 2$
Question 17 Work out $213.8 \times 100 =$	Question 18 Work out $82.7 \times 100 =$	Question 19 Solve $x + 3 = 15$	Question 20 Solve $x \times 5 = 40$

Question 21
How many sides has a dodecagon?

Score

Due date	Thursday 11 th January 2024
Name	



Year 10

Class 10b1 and b2

Homework

Knowledge Check

Homework Sheet FB2.7

Name :

FB2.7

Question 1 Simplify $8a + 5b + 4a - 6b$	Question 2 Simplify $7a + 4b + 3a - 7b$	Question 3 Expand $4(13 - 11x)$	Question 4 Expand $3(3x + 2)$
Question 5 Work out $123 \times 3 =$	Question 6 Work out $70 \times 50 =$	Question 7 Complete $20000 \text{ m} = \dots \text{ km}$	Question 8 Complete $9.9 \text{ m} = \dots \text{ cm}$
Question 9 Work out $\frac{1}{2}$ of £71	Question 10 Work out $\frac{1}{4}$ of £44	Question 11 Work out $£8.15 + £22.05 =$	Question 12 Work out $£88.05 + £45.55 =$
Question 13 Work out $£33.50 - £29.05 =$	Question 14 Work out $£86.35 - £7.05 =$	Question 15 Work out the value of $30 - y$ when $y = 9$	Question 16 Work out the value of $y + 6$ when $y = 7$
Question 17 Work out $146.7 \times 1000 =$	Question 18 Work out $18.06 \times 100 =$	Question 19 Solve $x \div 7 = 11$	Question 20 Solve $x + 12 = 22$

Question 21
What is a polygon?

Score