

Due date	Thursday 14 <sup>th</sup> September 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB1.1

Name :

FB1.1

<b>Question 1</b> List the factors of 28	<b>Question 2</b> List the factors of 73	<b>Question 3</b> Write in figures : two thousand, seven hundred and three units	<b>Question 4</b> Write in figures : twenty three thousand, two tens and six units
<b>Question 5</b> Work out $392 + 156 =$	<b>Question 6</b> Work out $512 + 77 =$	<b>Question 7</b> Work out $880 - 329 =$	<b>Question 8</b> Work out $215 - 59 =$
<b>Question 9</b> Work out $54 \times 8 =$	<b>Question 10</b> Work out $65 \times 8 =$	<b>Question 11</b> Work out $789 \times 10 =$	<b>Question 12</b> Work out $228 \times 100 =$
<b>Question 13</b> Simplify $5b - 2b + 8b$	<b>Question 14</b> Simplify $6x + 3x - 6x$	<b>Question 15</b> Solve $x \times 12 = 108$	<b>Question 16</b> Solve $x \div 10 = 8$
<b>Question 17</b> Calculate the mean 2, 6, 6, 5, 6	<b>Question 18</b> Find the median 13, 8, 21, 6, 21	<b>Question 19</b> Calculate the perimeter of a square with side length 5 cm	<b>Question 20</b> 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 <sup>st</sup> September 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB1.2

Name :

FB1.2

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

**Question 21**  
What does 'direct proportion' mean?

Score

Due date	Thursday 28 <sup>th</sup> September 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB1.3

Name :

FB1.3

<b>Question 1</b> List the factors of 27	<b>Question 2</b> What is the 11th multiple of 8?	<b>Question 3</b> Write in figures : twenty three thousand, seven tens and nine units	<b>Question 4</b> Write in figures : one hundred and thirty nine thousand, two hundred and four units
<b>Question 5</b> Work out $478 + 214 =$	<b>Question 6</b> Work out $294 + 55 =$	<b>Question 7</b> Work out $704 - 365 =$	<b>Question 8</b> Work out $731 - 76 =$
<b>Question 9</b> Work out $25 \times 4 =$	<b>Question 10</b> Work out $71 \times 3 =$	<b>Question 11</b> Work out $97 \times 1000 =$	<b>Question 12</b> Work out $100 \times 10 =$
<b>Question 13</b> Simplify $9a + 5a + 3a$	<b>Question 14</b> Simplify $6a + 4a - 4a$	<b>Question 15</b> Solve $x + 12 = 22$	<b>Question 16</b> Solve $x + 4 = 6$
<b>Question 17</b> Calculate the mean 18, 16, 7, 26, 43	<b>Question 18</b> Find the median 7, 9, 15, 11, 24	<b>Question 19</b> Calculate the perimeter of a regular pentagon with side length 5 cm	<b>Question 20</b> 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 <sup>th</sup> October 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB1.4

Name :

FB1.4

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

**Question 21**  
What does perpendicular mean?

Score



Due date	Thursday 12 <sup>th</sup> October 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB1.5

Name :

FB1.5

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

**Question 21**  
What is a trapezium?

Score

Due date	Thursday 19 <sup>th</sup> October 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB1.6

Name :

FB1.6

<b>Question 1</b> What is the 13th multiple of 15?	<b>Question 2</b> List the factors of 25	<b>Question 3</b> Write in figures : ten thousand, three tens and three units	<b>Question 4</b> Write in figures : thirteen thousand, two tens and two units
<b>Question 5</b> Work out $383 + 230 =$	<b>Question 6</b> Work out $384 + 76 =$	<b>Question 7</b> Work out $895 - 583 =$	<b>Question 8</b> Work out $405 - 67 =$
<b>Question 9</b> Work out $19 \times 5 =$	<b>Question 10</b> Work out $34 \times 4 =$	<b>Question 11</b> Work out $39 \times 1000 =$	<b>Question 12</b> Work out $9 \times 1000 =$
<b>Question 13</b> Simplify $10x - 4x + 8x$	<b>Question 14</b> Simplify $10x + 4x - 3x$	<b>Question 15</b> Solve $x \times 4 = 28$	<b>Question 16</b> Solve $x + 6 = 15$
<b>Question 17</b> Find the median 20, 6, 20, 5, 9	<b>Question 18</b> Calculate the mean 8, 16, 7, 16, 18	<b>Question 19</b> Calculate the perimeter of a rectangle with height 11 cm and length 13 cm	<b>Question 20</b> 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 <sup>th</sup> November 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB1.7

Name :

FB1.7

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

**Question 21**  
What is a polygon?

Score

Due date	Thursday 16 <sup>th</sup> November 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB2.1

Name :

FB2.1

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

**Question 21**

What does 'significant figure' mean?

Score



Due date	Thursday 23 <sup>rd</sup> November 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB2.2

Name :

FB2.2

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

**Question 21**

What does 'direct proportion' mean?

Score

Due date	Thursday 30 <sup>th</sup> November 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB2.3

Name :

FB2.3

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

**Question 21**

What is a prism?

Score

Due date	Thursday 7 <sup>th</sup> December 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB2.4

Name :

FB2.4

<b>Question 1</b> Simplify $8a + 3b + 8a - 4b$	<b>Question 2</b> Simplify $7a + 5b + 8a - 4b$	<b>Question 3</b> Expand $4(1 + 5x)$	<b>Question 4</b> Expand $4(7x + 5)$
<b>Question 5</b> Work out $654 \times 7 =$	<b>Question 6</b> Work out $82 \times 26 =$	<b>Question 7</b> Complete $180 \text{ mm} = \dots \text{ cm}$	<b>Question 8</b> Complete $11500 \text{ m} = \dots \text{ km}$
<b>Question 9</b> Work out $\frac{1}{2}$ of £76	<b>Question 10</b> Work out $\frac{1}{4}$ of £104	<b>Question 11</b> Work out $£35.90 + £6.60 =$	<b>Question 12</b> Work out $£85.20 + £50.55 =$
<b>Question 13</b> Work out $£37.50 - £9.30 =$	<b>Question 14</b> Work out $£32.15 - £29.10 =$	<b>Question 15</b> Work out the value of $6c - 7$ when $c = 4$	<b>Question 16</b> Work out the value of $2a$ when $a = 10$
<b>Question 17</b> Work out $2.15 \times 100 =$	<b>Question 18</b> Work out $3.37 \times 1000 =$	<b>Question 19</b> Solve $x + 11 = 14$	<b>Question 20</b> Solve $x - 4 = 7$
<b>Question 21</b> What does perpendicular mean?	<b>Score</b> <input type="text"/>		

Due date	Thursday 14 <sup>th</sup> December 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB2.5

Name :

FB2.5

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

**Question 21**  
What is a trapezium?

Score



Due date	Thursday 21 <sup>st</sup> December 2023
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB2.6

Name :

FB2.6

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

**Question 21**  
How many sides has a dodecagon?

Score

Due date	Thursday 11 <sup>th</sup> January 2024
Name	



**Year 10**

Class 10r3

**Homework**

**Knowledge Check**

Homework Sheet FB2.7

Name :

FB2.7

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

**Question 21**  
What is a polygon?

Score