

Name :

FB5.1

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

**Question 21**  
What does product mean?

Score

Due date	Thursday 18 <sup>th</sup> April 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB5.1

Name :

FB5.2

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

**Question 21**

In 49145 which is the first significant figure

Score

Due date	Thursday 25 <sup>th</sup> April 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB5.2

Name :

FB5.3

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

**Question 21**  
What does solve mean?

Score

Due date	Thursday 2 <sup>nd</sup> May 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB5.3

Name :

FB5.4

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

**Question 21**  
What is an expression

Score

Due date	Thursday 9 <sup>th</sup> May 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB5.4



Name :

FB5.5

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

**Question 21**  
What does simplify mean?

Score

Due date	Thursday 16 <sup>th</sup> May 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB5.5

Name :

FB5.6

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

**Question 21**  
What is a parallelogram?

Score

Due date	Thursday 23 <sup>rd</sup> May 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB5.6

Name :

FB5.7

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

**Question 21**

What does 'direct proportion' mean?

Score

Due date	Thursday 6 <sup>th</sup> June 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB5.7

Name :

FB6.1

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

**Question 21**  
What is a sequence?

Score

Due date	Thursday 13 <sup>th</sup> June 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB6.1



Name :

FB6.2

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

**Question 21**  
Write down an example of a term

Score

Due date	Thursday 20 <sup>th</sup> June 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

Knowledge Check  
Homework Sheet FB6.2

Name :

FB6.3

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

**Question 21**  
Write down an example of an expression

Score

Due date	Thursday 27 <sup>th</sup> June 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB6.3

Name :

FB6.4

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

**Question 21**

What are factors?

Score

Due date	Thursday 4 <sup>th</sup> July 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB6.4

Name :

FB6.5

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

**Question 21**

What are multiples?

Score

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



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB6.5



Name :

FB6.6

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

**Question 21**

What are common factors?

Score

Due date	Thursday 18 <sup>th</sup> July 2024
Name	



# GCSE Maths homework 10b2

Year 10 terms 5 & 6

## Knowledge Check

Homework Sheet FB6.6