

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



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 63.1

Name :

63.1

<b>Question 1</b> Work out $624 \times 15 =$	<b>Question 2</b> Work out $571 \times 40 =$	<b>Question 3</b> Find the highest common factor of 108 and 84	<b>Question 4</b> Find the highest common factor of 28 and 210
<b>Question 5</b> Work out $\frac{4}{10} + \frac{13}{20}$	<b>Question 6</b> Work out $\frac{4}{6} - \frac{7}{18}$	<b>Question 7</b> Round 3799 to the nearest 1000	<b>Question 8</b> Round 713 to the nearest 10
<b>Question 9</b> Express 0.02 as a percentage	<b>Question 10</b> Express 38% as a fraction in its lowest form	<b>Question 11</b> Find 25% of £180	<b>Question 12</b> Find 25% of £48
<b>Question 13</b> Complete using > or < $180120 ? 180220$	<b>Question 14</b> Complete using > or < $665420 ? 665620$	<b>Question 15</b> Work out the value of $c - 5$ when $c = 9$	<b>Question 16</b> Work out the value of $a + 9$ when $a = 2$
<b>Question 17</b> Work out $7200 \div 80 =$	<b>Question 18</b> Work out $360000 \div 900 =$	<b>Question 19</b> Express as an improper fraction $2\frac{4}{5} = \frac{\square}{\square}$	<b>Question 20</b> Express as an improper fraction $1\frac{1}{4} = \frac{\square}{\square}$

**Question 21**

What does convert mean?

Score

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



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 63.2

Name :

63.2

<b>Question 1</b> Work out $500 \times 39 =$	<b>Question 2</b> Work out $579 \times 25 =$	<b>Question 3</b> Find the highest common factor of 45 and 55	<b>Question 4</b> Find the highest common factor of 27 and 72
<b>Question 5</b> Work out $\frac{1}{3} + \frac{9}{12}$	<b>Question 6</b> Work out $\frac{3}{9} - \frac{1}{3}$	<b>Question 7</b> Round 3358 to the nearest 1000	<b>Question 8</b> Round 9022 to the nearest 10
<b>Question 9</b> Express 0.85 as a percentage	<b>Question 10</b> Express 42% as a fraction in its lowest form	<b>Question 11</b> Find 25% of £296	<b>Question 12</b> Find 25% of £236
<b>Question 13</b> Complete using > or < 765849 ? 765929	<b>Question 14</b> Complete using > or < 598797 ? 596797	<b>Question 15</b> Work out the value of $5x - 2$ when $x = 2$	<b>Question 16</b> Work out the value of $6y$ when $y = 3$
<b>Question 17</b> Work out $360000 \div 400 =$	<b>Question 18</b> Work out $15000 \div 50 =$	<b>Question 19</b> Express as an improper fraction $1\frac{4}{7} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$	<b>Question 20</b> Express as an improper fraction $2\frac{2}{3} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**Question 21**  
 What does simplify mean?

Score

Due date	Thursday 1 <sup>st</sup> February 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 63.3

Name :

63.3

<b>Question 1</b> Work out $470 \times 30 =$	<b>Question 2</b> Work out $462 \times 48 =$	<b>Question 3</b> Find the highest common factor of 32 and 24	<b>Question 4</b> Find the highest common factor of 60 and 80
<b>Question 5</b> Work out $\frac{5}{10} + \frac{34}{40}$	<b>Question 6</b> Work out $\frac{2}{8} - \frac{1}{4}$	<b>Question 7</b> Round 7088 to the nearest 100	<b>Question 8</b> Round 1756 to the nearest 10
<b>Question 9</b> Express 0.9 as a percentage	<b>Question 10</b> Express 20% as a fraction in its lowest form	<b>Question 11</b> Find 50% of £148	<b>Question 12</b> Find 10% of £3530
<b>Question 13</b> Complete using > or < $320429 \text{ ? } 320929$	<b>Question 14</b> Complete using > or < $278091 \text{ ? } 278181$	<b>Question 15</b> Work out the value of $3y + 3$ when $y = 7$	<b>Question 16</b> Work out the value of $20 - 2a$ when $a = 2$
<b>Question 17</b> Work out $630000 \div 700 =$	<b>Question 18</b> Work out $1200 \div 40 =$	<b>Question 19</b> Express as an improper fraction $1\frac{2}{3} = \frac{\square}{\square}$	<b>Question 20</b> Express as an improper fraction $1\frac{3}{4} = \frac{\square}{\square}$

**Question 21**  
 What is a circumference?

Score

Due date	Thursday 8 <sup>th</sup> February 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 63.4

Name :

63.4

<b>Question 1</b> Work out $757 \times 79 =$	<b>Question 2</b> Work out $449 \times 38 =$	<b>Question 3</b> Find the highest common factor of 16 and 24	<b>Question 4</b> Find the highest common factor of 80 and 40
<b>Question 5</b> Work out $\frac{6}{8} + \frac{1}{32}$	<b>Question 6</b> Work out $\frac{1}{4} - \frac{2}{12}$	<b>Question 7</b> Round 463 to the nearest 10	<b>Question 8</b> Round 271 to the nearest 10
<b>Question 9</b> Express 0.59 as a percentage	<b>Question 10</b> Express 80% as a fraction in its lowest form	<b>Question 11</b> Find 25% of £56	<b>Question 12</b> Find 10% of £410
<b>Question 13</b> Complete using > or < 613394 ? 617394	<b>Question 14</b> Complete using > or < 73863 ? 73903	<b>Question 15</b> Work out the value of $24 - 2y$ when $y = 3$	<b>Question 16</b> Work out the value of $26 - 2a$ when $a = 4$
<b>Question 17</b> Work out $36000 \div 600 =$	<b>Question 18</b> Work out $18000 \div 200 =$	<b>Question 19</b> Express as an improper fraction $2\frac{4}{5} = \frac{\square}{\square}$	<b>Question 20</b> Express as an improper fraction $1\frac{2}{3} = \frac{\square}{\square}$

**Question 21**  
What is perimeter?

Score



Due date	Thursday 22 <sup>nd</sup> February 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 63.5

Name :

63.5

<b>Question 1</b> Work out $479 \times 57 =$	<b>Question 2</b> Work out $208 \times 43 =$	<b>Question 3</b> Find the highest common factor of 99 and 121	<b>Question 4</b> Find the highest common factor of 16 and 14
<b>Question 5</b> Work out $\frac{1}{9} + \frac{6}{18}$	<b>Question 6</b> Work out $\frac{2}{8} - \frac{1}{4}$	<b>Question 7</b> Round 3281 to the nearest 10	<b>Question 8</b> Round 225 to the nearest 100
<b>Question 9</b> Express 0.3 as a percentage	<b>Question 10</b> Express 80% as a fraction in its lowest form	<b>Question 11</b> Find 10% of £1360	<b>Question 12</b> Find 25% of £144
<b>Question 13</b> Complete using > or < $28812 \text{ ? } 28762$	<b>Question 14</b> Complete using > or < $300451 \text{ ? } 300401$	<b>Question 15</b> Work out the value of $c + 7$ when $c = 4$	<b>Question 16</b> Work out the value of $2a - 6$ when $a = 7$
<b>Question 17</b> Work out $32000 \div 80 =$	<b>Question 18</b> Work out $24000 \div 40 =$	<b>Question 19</b> Express as an improper fraction $3\frac{4}{5} = \frac{\square}{\square}$	<b>Question 20</b> Express as an improper fraction $4\frac{3}{6} = \frac{\square}{\square}$

**Question 21**  
 What is an improper fraction?

Score

Due date	Thursday 29 <sup>th</sup> February 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 64.1

Name :

64.1

<b>Question 1</b> Find the lowest common multiple of 70 and 30	<b>Question 2</b> Find the lowest common multiple of 55 and 66	<b>Question 3</b> $7 \times 5 - 3$	<b>Question 4</b> $2 \times (12 - 6)$
<b>Question 5</b> Work out $162 \div 9 =$	<b>Question 6</b> Work out $492 \div 6 =$	<b>Question 7</b> Find the next 2 terms in the sequence 41, 38, 35, 32,....	<b>Question 8</b> Find the next 2 terms in the sequence 42, 37, 32, 27,....
<b>Question 9</b> Find 20% of £340	<b>Question 10</b> Find 5% of £360	<b>Question 11</b> Write down the value of the figure 4 in 41068	<b>Question 12</b> Write down the value of the figure 7 in 75064
<b>Question 13</b> Express as a mixed number  $\frac{7}{5}$	<b>Question 14</b> Express as a mixed number  $\frac{17}{4}$	<b>Question 15</b> Simplify $44 : 4$	<b>Question 16</b> Simplify $35 : 55$
<b>Question 17</b> Work out $331 \times 1000 =$	<b>Question 18</b> Work out $40.6 \times 10 =$	<b>Question 19</b> Complete using $<$ or $>$  $\frac{6}{7}$ $\frac{3}{4}$	<b>Question 20</b> Complete using $<$ or $>$  $\frac{8}{10}$ $\frac{6}{8}$

**Question 21**  
What is 'data'?

Score

Due date	Thursday 7 <sup>th</sup> March 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 64.2

Name :

64.2

<b>Question 1</b> Find the lowest common multiple of 36 and 45	<b>Question 2</b> Find the lowest common multiple of 21 and 28	<b>Question 3</b> $8 \times 5 - 4$	<b>Question 4</b> $6 \times (5 + 4)$
<b>Question 5</b> Work out $74 \div 2 =$	<b>Question 6</b> Work out $560 \div 7 =$	<b>Question 7</b> Find the next 2 terms in the sequence 16, 21, 26, 31,....	<b>Question 8</b> Find the next 2 terms in the sequence 45, 41, 37, 33,....
<b>Question 9</b> Find 5% of £640	<b>Question 10</b> Find 10% of £180	<b>Question 11</b> Write down the value of the figure 8 in 81042	<b>Question 12</b> Write down the value of the figure 4 in 39467
<b>Question 13</b> Express as a mixed number  $\frac{20}{7}$	<b>Question 14</b> Express as a mixed number  $\frac{3}{2}$	<b>Question 15</b> Simplify $8 : 40$	<b>Question 16</b> Simplify $110 : 130$
<b>Question 17</b> Work out $748 \times 1000 =$	<b>Question 18</b> Work out $8.8 \times 10 =$	<b>Question 19</b> Complete using $< =$ or $>$  $\frac{3}{4}$ $\frac{1}{3}$	<b>Question 20</b> Complete using $< =$ or $>$  $\frac{3}{5}$ $\frac{1}{2}$

**Question 21**Circle any coefficients in the expression  $3x^2 + 2x + 4$ 

Score

Due date	Thursday 14 <sup>th</sup> March 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 64.3

Name :

64.3

<b>Question 1</b> Find the lowest common multiple of 77 and 33	<b>Question 2</b> Find the lowest common multiple of 49 and 42	<b>Question 3</b> $20 - 2 \times 3$	<b>Question 4</b> $10 \times (2 + 3)$
<b>Question 5</b> Work out $104 \div 8 =$	<b>Question 6</b> Work out $792 \div 9 =$	<b>Question 7</b> Find the next 2 terms in the sequence 46, 43, 40, 37,....	<b>Question 8</b> Find the next 2 terms in the sequence 20, 25, 30, 35,....
<b>Question 9</b> Find 20% of £40	<b>Question 10</b> Find 10% of £220	<b>Question 11</b> Write down the value of the figure 9 in 59200	<b>Question 12</b> Write down the value of the figure 6 in 86709
<b>Question 13</b> Express as a mixed number  $\frac{8}{3}$	<b>Question 14</b> Express as a mixed number  $\frac{7}{5}$	<b>Question 15</b> Simplify $55 : 25$	<b>Question 16</b> Simplify $16 : 8$
<b>Question 17</b> Work out $178 \times 10 =$	<b>Question 18</b> Work out $6.6 \times 1000 =$	<b>Question 19</b> Complete using $< =$ or $>$  $\frac{2}{3}$ $\frac{1}{2}$	<b>Question 20</b> Complete using $< =$ or $>$  $\frac{4}{6}$ $\frac{2}{3}$

**Question 21**Circle any variables in the expression  $3x^2 + 2x + 4$ 

Score



Due date	Thursday 21 <sup>st</sup> March 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 64.4

Name :

64.4

<b>Question 1</b> Find the lowest common multiple of 24 and 16	<b>Question 2</b> Find the lowest common multiple of 16 and 48	<b>Question 3</b> $4 + 2 \times 4$	<b>Question 4</b> $9 \times (5 + 3)$
<b>Question 5</b> Work out $297 \div 9 =$	<b>Question 6</b> Work out $420 \div 5 =$	<b>Question 7</b> Find the next 2 terms in the sequence 16, 24, 32, 40,....	<b>Question 8</b> Find the next 2 terms in the sequence 37, 32, 27, 22,....
<b>Question 9</b> Find 20% of £240	<b>Question 10</b> Find 10% of £760	<b>Question 11</b> Write down the value of the figure 1 in 61800	<b>Question 12</b> Write down the value of the figure 8 in 86902
<b>Question 13</b> Express as a mixed number  $\frac{7}{5}$	<b>Question 14</b> Express as a mixed number  $\frac{17}{4}$	<b>Question 15</b> Simplify $11 : 55$	<b>Question 16</b> Simplify $6 : 66$
<b>Question 17</b> Work out $7 \times 10 =$	<b>Question 18</b> Work out $39.9 \times 1000 =$	<b>Question 19</b> Complete using $<$ or $>$  $\frac{3}{5}$ $\frac{1}{2}$	<b>Question 20</b> Complete using $<$ or $>$  $\frac{6}{9}$ $\frac{1}{3}$

**Question 21**Circle any constants in the expression  $3x^2 + 2x + 4$ 

Score

Due date	Thursday 28 <sup>th</sup> March 2024
Name	



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 64.5

Name :

64.5

<b>Question 1</b> Find the lowest common multiple of 21 and 28	<b>Question 2</b> Find the lowest common multiple of 6 and 10	<b>Question 3</b> $7 + 6 \times 2$	<b>Question 4</b> $6 \times 4 - 4$
<b>Question 5</b> Work out $78 \div 6 =$	<b>Question 6</b> Work out $516 \div 6 =$	<b>Question 7</b> Find the next 2 terms in the sequence 14, 17, 20, 23,....	<b>Question 8</b> Find the next 2 terms in the sequence 11, 13, 15, 17,....
<b>Question 9</b> Find 10% of £840	<b>Question 10</b> Find 10% of £580	<b>Question 11</b> Write down the value of the figure 2 in 42965	<b>Question 12</b> Write down the value of the figure 6 in 57600
<b>Question 13</b> Express as a mixed number  $\frac{9}{5}$	<b>Question 14</b> Express as a mixed number  $\frac{11}{3}$	<b>Question 15</b> Simplify $9 : 18$	<b>Question 16</b> Simplify $8 : 44$
<b>Question 17</b> Work out $16 \times 100 =$	<b>Question 18</b> Work out $6.4 \times 10 =$	<b>Question 19</b> Complete using $< =$ or $>$  $\frac{3}{9}$ $\frac{2}{4}$	<b>Question 20</b> Complete using $< =$ or $>$  $\frac{7}{8}$ $\frac{4}{6}$

**Question 21**  
What is an 'exponent'?

Score

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



# GCSE Maths homework 10b3&4

Year 10 terms 3 & 4

Knowledge Check  
Homework Sheet 64.6

Name :

64.6

<b>Question 1</b> Find the lowest common multiple of 30 and 40	<b>Question 2</b> Find the lowest common multiple of 80 and 60	<b>Question 3</b> $6 + 12 \times 2$	<b>Question 4</b> $20 - 7 \times 5$
<b>Question 5</b> Work out $84 \div 7 =$	<b>Question 6</b> Work out $48 \div 4 =$	<b>Question 7</b> Find the next 2 terms in the sequence 41, 37, 33, 29,....	<b>Question 8</b> Find the next 2 terms in the sequence 43, 40, 37, 34,....
<b>Question 9</b> Find 20% of £80	<b>Question 10</b> Find 20% of £200	<b>Question 11</b> Write down the value of the figure 1 in 76108	<b>Question 12</b> Write down the value of the figure 3 in 63091
<b>Question 13</b> Express as a mixed number  $\frac{9}{7}$	<b>Question 14</b> Express as a mixed number  $\frac{5}{4}$	<b>Question 15</b> Simplify $63 : 9$	<b>Question 16</b> Simplify $6 : 15$
<b>Question 17</b> Work out $662 \times 1000 =$	<b>Question 18</b> Work out $1.2 \times 10 =$	<b>Question 19</b> Complete using $< =$ or $>$  $\frac{4}{9}$ $\frac{4}{8}$	<b>Question 20</b> Complete using $< =$ or $>$  $\frac{1}{3}$ $\frac{1}{2}$

**Question 21**  
What is a trapezium?

Score