

Due date	Thursday 18 th January 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 63.1

Name :

63.1

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

Question 21

What does convert mean?

Score

Due date	Thursday 25 th January 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 63.2

Name :

63.2

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

Question 21
 What does simplify mean?

Score

Due date	Thursday 1 st February 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 63.3

Name :

63.3

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

Question 21
 What is a circumference?

Score

Due date	Thursday 8 th February 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 63.4

Name :

63.4

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

Question 21
What is perimeter?

Score

Due date	Thursday 22 nd February 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 63.5

Name :

63.5

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

Question 21
What is an improper fraction?

Score

Due date	Thursday 29 th February 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 64.1

Name :

64.1

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

Question 21
What is 'data'?

Score

Due date	Thursday 7 th March 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 64.2

Name :

64.2

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

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

Score

Due date	Thursday 14 th March 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 64.3

Name :

64.3

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

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

Score

Due date	Thursday 21 st March 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 64.4

Name :

64.4

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

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

Score

Due date	Thursday 28 th March 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 64.5

Name :

64.5

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

Question 21
What is an 'exponent'?

Score

Due date	Thursday 11 th April 2024
Name	



GCSE Maths homework 11b4

Year 11 terms 3 & 4

Knowledge Check
Homework Sheet 64.6

Name :

64.6

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

Question 21
What is a trapezium?

Score