Name : FB6.1

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

Question 21
What is a sequence?

Score [   ]

Due date	Thursday 18th April 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.1

Question 1	Question 2	Question 3	Question 4
Round 69.9581 correct to 1 decimal place	Round 5.2488 correct to 1 decimal place	Express 40% as a fraction in its lowest form	Express as a percentage $$\frac{4}{5} =$$

Question 5	Question 6	Question 7	Question 8
Work out 9807 - 129 =	Work out 732 × 4 =	Solve $x - 3 = 5$	Solve $15x + 3 = 18$

Question 9	Question 10	Question 11	Question 12
Work out $2 + 12 \times 2$	Work out $5 + 3 \times 5 + 12$	Work out the value of $22 - 4x$ when $x = 2$	Work out the value of $17 - x$ when $x = 5$

Question 13	Question 14	Question 15	Question 16
Simplify $6x + 5 + 6x + 3$	Expand and simplify $2(3x + 2) + 2(2x + 3)$	Find 20% of £380	Find 5% of £1000

Question 17	Question 18	Question 19	Question 20
What is the 11th multiple of 13?	What is the 6th square number?	Simplify 12 : 18	Simplify 55 : 22

Question 21
Write down an example of a term

Score

Due date	Thursday 25th April 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.2

Name :

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

Question 21
Write down an example of an expression

Score [ ]

Due date	Thursday 2nd May 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.3

Question 1	Question 2	Question 3	Question 4
Round 0.52854 correct to 2 decimal places	Round 38.65914 correct to 2 decimal places	Express 90% as a fraction in its lowest form	Express as a percentage $\dfrac{12}{20} =$
Question 5 Work out 624 + 440 =	**Question 6** Work out 612 ÷ 3 =	**Question 7** Solve x - 4 = 8	**Question 8** Solve 15x + 2 = 32
Question 9 Work out 3 + 3 × 5	**Question 10** Work out 8 + 12 × 2	**Question 11** Work out the value of 5y - 4 when y = 2	**Question 12** Work out the value of 22 - 3b² when b = -2
Question 13 Expand 3(4x + 3)	**Question 14** Expand and simplify 3(3x + 4) + 4(4x - 3)	**Question 15** Find 5% of £920	**Question 16** Find 5% of £860
Question 17 What is the 6th multiple of 3?	**Question 18** What is the 2nd square number?	**Question 19** Simplify 30 : 10	**Question 20** Simplify 22 : 26

Question 21
What are factors?

Score

Due date	Thursday 9th May 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.4

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

Question 21
What are multiples?

Score

Due date	Thursday 16th May 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.5

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

Question 21
What are common factors?

Score [   ]

Due date	Thursday 23rd May 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.6

Question 1 Round 2.8415 correct to 2 decimal places	**Question 2** Round 51.4304 correct to 1 decimal place	**Question 3** Express 15% as a fraction in its lowest form	**Question 4** Express as a percentage $$\frac{23}{25} =$$
Question 5 Work out 4146 + 3590 =	**Question 6** Work out 641 × 6 =	**Question 7** Solve x - 5 = 3	**Question 8** Solve 15x - 2 = 73
Question 9 Work out 2 + 12 × 4	**Question 10** Work out 5 + 5 × 4 + 12	**Question 11** Work out the value of 6x - 5 when x = 4	**Question 12** Work out the value of $28 + 2c^2$ when c = 5
Question 13 Expand 7(2x + 3)	**Question 14** Expand and simplify 2(3x + 2) + 2(5x - 3)	**Question 15** Find 10% of £680	**Question 16** Find 10% of £180
Question 17 What is the 14th multiple of 10?	**Question 18** What is the 8th prime number?	**Question 19** Simplify 36 : 132	**Question 20** Simplify 36 : 24

Question 21
What are common factors?

Score

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FB6.7

Question 1 Expand and simplify $5(3x - 5) + 2(3x + 2)$	**Question 2** Expand and simplify $4(2x - 4) - 3(2x + 3)$	**Question 3** Solve $5(5x - 6) = -67.5$	**Question 4** Solve $4(3x + 5) = 2$
Question 5 Work out $21 \times £9.40$	**Question 6** Work out $£798 \div 14$	**Question 7** Express 20 as a product of prime factors	**Question 8** Express 120 as a product of prime factors
Question 9 Find the nth term: 8, 18, 28, 38, 48,...	**Question 10** If the nth term of a sequence is $12n - 6$ what is the 8th term?	**Question 11** Find 60% of £980	**Question 12** Find 80% of £120
Question 13 Complete 0.13 l......350 ml (< = or >)	**Question 14** Complete 0.3l......380ml (< = or >)	**Question 15** Work out the value of $19 - a$ when $a = 3$	**Question 16** Work out the value of $c \div 8$ when $c = 56$
Question 17 Work out $0.07 \times 0.5 =$	**Question 18** Work out $0.7 \times 0.5 =$	**Question 19** Simplify 100 mm : 110 cm	**Question 20** Simplify 1.1 kg : 2200 g

SKILLS CHECK   Score ☐

Due date	Thursday 13th June 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FA2.1

Question 1	Question 2	Question 3	Question 4
Expand and simplify 4(2x + 4) + 2(3x - 5)	Expand and simplify 3(3x + 4) + 2(5x - 3)	Solve 5(5x + 6) = 5	Solve 5(3x - 4) = -80
Question 5 Work out 32 × £29.70	**Question 6** Work out £1240 ÷ 16	**Question 7** Express 165 as a product of prime factors	**Question 8** Express 336 as a product of prime factors
Question 9 Find the nth term: 11, 23, 35, 47, 59,...	**Question 10** If the nth term of a sequence is 5n + 2 what is the 8th term?	**Question 11** Find 60% of £820	**Question 12** Find 55% of £300
Question 13 Complete 60 mm ......5.5 cm (< = or >)	**Question 14** Complete0.4 l......120 ml (< = or >)	**Question 15** Work out the value of 22 - 2x when x = 8	**Question 16** Work out the value of 2b when b = 6
Question 17 Work out 0.8 × 0.06 =	**Question 18** Work out 0.09 × 1 =	**Question 19** Simplify 0.9 kg : 3300 g	**Question 20** Simplify 11 kg : 7000 g

Question 21
What does 'direct proportion' mean?

Score

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FA2.2

Question 1	Question 2	Question 3	Question 4
Expand and simplify 2(2x + 3) + 4(5x + 3)	Expand and simplify 4(2x + 4) + 5(4x + 3)	Solve 4(5x + 2) = 128	Solve 5(7x + 3) = -125
Question 5 Work out 21 × £45.70	**Question 6** Work out £210 ÷ 12	**Question 7** Express 144 as a product of prime factors	**Question 8** Express 72 as a product of prime factors
Question 9 Find the nth term: 6, 9,12, 15, 18,...	**Question 10** If the nth term of a sequence is 3n - 4 what is the 10th term?	**Question 11** Find 15% of £800	**Question 12** Find 40% of £720
Question 13 Complete 2.73kg......2130g (< = or >)	**Question 14** Complete 3980 m ...... 1.08 km (< = or >)	**Question 15** Work out the value of 5b - 9 when b = 2	**Question 16** Work out the value of 23 - 2a when a = 7
Question 17 Work out 0.11 × 1 =	**Question 18** Work out 0.06 × 0.5 =	**Question 19** Simplify 12.6 kg : 5400 g	**Question 20** Simplify 990 mm : 45 cm

Question 21
        What is a prism?

Score

Due date	Thursday 27th June 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FA2.3

Name : FA2.4

Question 1	Question 2	Question 3	Question 4
Expand and simplify $2(2x - 3) + 2(3x + 4)$	Expand and simplify $3(2x + 3) + 3(3x - 2)$	Solve $4(6x - 3) = 24$	Solve $3(3x + 5) = 69$
Question 5 Work out 35 × £36.50	**Question 6** Work out £1368 ÷ 18	**Question 7** Express 252 as a product of prime factors	**Question 8** Express 120 as a product of prime factors
Question 9 Find the nth term: 6, 14, 22, 30, 38,...	**Question 10** If the nth term of a sequence is $9n + 5$ what is the 8th term?	**Question 11** Find 70% of £860	**Question 12** Find 80% of £140
Question 13 Complete 2.2 m...... 300 cm $(< = $ or $>)$	**Question 14** Complete 2 kg ...... 2420 g $(< = $ or $>)$	**Question 15** Work out the value of $5b - 4$ when $b = 7$	**Question 16** Work out the value of $22 - 2y$ when $y = 10$
Question 17 Work out $0.06 \times 0.8 =$	**Question 18** Work out $0.8 \times 0.05 =$	**Question 19** Simplify 3.3 kg : 5500 g	**Question 20** Simplify 30 mm : 21 cm

SKILLS CHECK

Score [ ]

Due date	Thursday 4th July 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FA2.4

Question 1 Expand and simplify $4(2x - 4) + 4(5x + 2)$	**Question 2** Expand and simplify $2(3x - 2) - 5(3x + 2)$	**Question 3** Solve $4(5x + 6) = 64$	**Question 4** Solve $2(7x + 4) = -48$
Question 5 Work out $18 \times £17.10$	**Question 6** Work out $£352 \div 22$	**Question 7** Express 540 as a product of prime factors	**Question 8** Express 56 as a product of prime factors
Question 9 Find the nth term: 4, 13, 22 ,31, 40,…	**Question 10** If the nth term of a sequence is $12n - 3$ what is the 9th term?	**Question 11** Find 40% of £240	**Question 12** Find 55% of £540
Question 13 Complete 2190 ml…… 1.48 l (< = or >)	**Question 14** Complete 1760 m ……1.59 km (< = or >)	**Question 15** Work out the value of $21 - a$ when $a = 1$	**Question 16** Work out the value of $24 - 2a$ when $a = 10$
Question 17 Work out $0.4 \times 0.5 =$	**Question 18** Work out $0.9 \times 0.2 =$	**Question 19** Simplify 160 mm : 56 cm	**Question 20** Simplify 7 kg : 4200 g

SKILLS CHECK

Score

Due date	Thursday 11th July 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FA2.5

Question 1	Question 2	Question 3	Question 4
Expand and simplify $5(2x - 5) + 5(5x - 3)$	Expand and simplify $2(3x - 2) - 2(3x + 5)$	Solve $2(3x + 4) = 2$	Solve $5(7x + 5) = 235$
Question 5	Question 6	Question 7	Question 8
Work out $32 \times £29.40$	Work out $£1239 \div 21$	Express 360 as a product of prime factors	Express 80 as a product of prime factors
Question 9	Question 10	Question 11	Question 12
Find the nth term: 14, 25, 36, 47, 58,...	If the nth term of a sequence is $9n + 6$ what is the 7th term?	Find 20% of £820	Find 45% of £920
Question 13	Question 14	Question 15	Question 16
Complete 200 cm ...... 2.6 m $(< = $ or $>)$	Complete 0.18 l......240 ml $(< = $ or $>)$	Work out the value of $20 - 2a$ when $a = 3$	Work out the value of $2a - 6$ when $a = 9$
Question 17	Question 18	Question 19	Question 20
Work out $0.12 \times 1.1 =$	Work out $0.11 \times 1.2 =$	Simplify 50 mm : 25 cm	Simplify 120 mm : 6 cm

SKILLS CHECK

Score

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Due date	Thursday 18th July 2024
Name	

GCSE Maths homework 10r4

Year 10 terms 5 & 6

Knowledge Check

Homework Sheet FA2.6