Question 1 Estimate $258 \times 27 =$ 9000	**Question 2** Estimate $60 \times 47 =$ 3000	**Question 3** Work out 5/54	**Question 4** Work out 6/77
Question 5 Work out £368.80 ÷ 8 £46.10	**Question 6** Work out £585.60 ÷ 6 £97.60	**Question 7** Expand 4x(7x-11) $28x^2 - 44x$	**Question 8** Expand 3x (7-5x) $21x - 15x^2$
Question 9 Express 31% as a fraction in its lowest form 31/100	**Question 10** Express 39% as a fraction in its lowest form 39/100	**Question 11** Find the highest common factor of 30 and 120 30	**Question 12** Find the lowest common multiple of 32 and 12 96
Question 13 Work out $72 \div -8 =$ -9	**Question 14** Work out $-20 \div -2 =$ 10	**Question 15** Complete the ratio 8 : 44 = 1 : ? 5.5	**Question 16** Complete the ratio 4 : 40 = 1 : ? 10
Question 17 Solve $8x + 3 = 3x + 18$ x = 3	**Question 18** Solve $5x - 1 = 3x + 9$ x = 5	**Question 19** Express 660 as a product of prime factors $2^2 \times 3 \times 5 \times 11$	**Question 20** Express 28 as a product of prime factors $2^2 \times 7$

Question 1 Estimate 29 × 71 = 2100	**Question 2** Estimate 18254 ÷ 29 = 600	**Question 3** Work out 4/15	**Question 4** Work out 3/8
Question 5 Work out £393 ÷ 6 £65.50	**Question 6** Work out £193.50 ÷ 3 £64.50	**Question 7** Expand 2x(11x + 1) $22x^2 + 2x$	**Question 8** Expand 2x (3x - 5) $6x^2 - 10x$
Question 9 Express 50% as a fraction in its lowest form 1/2	**Question 10** Express 85% as a fraction in its lowest form 17/20	**Question 11** Find the highest common factor of 6 and 15 3	**Question 12** Find the lowest common multiple of 40 and 30 120
Question 13 Work out 4 ÷ -1 = -4	**Question 14** Work out -40 ÷ -4 = 10	**Question 15** Complete the ratio 6 : 48 = 1 : ? 8	**Question 16** Complete the ratio 8 : 36 = 1 : ? 4.5
Question 17 Solve 6x + 1 = 4x - 1 x = -1	**Question 18** Solve 4x - 1 = 3x + 3 x = 4	**Question 19** Express 135 as a product of prime factors $3^3 \times 5$	**Question 20** Express 8 as a product of prime factors 2^3

Question 1	Question 2	Question 3	Question 4
Estimate 3755 - 3062 =	Estimate 4249 - 1546 =	Work out	Work out
1000	**2000**	**1/3**	**5/16**
Question 5	**Question 6**	**Question 7**	**Question 8**
Work out £536.90 ÷ 7	Work out £306 ÷ 4	Expand $5x(3 - 2x)$	Expand $5x(2x - 5)$
£76.70	**£76.50**	**$15x - 10x^2$**	**$10x^2 - 25x$**
Question 9	**Question 10**	**Question 11**	**Question 12**
Express 70% as a fraction in its lowest form	Express 76% as a fraction in its lowest form	Find the highest common factor of 16 and 32	Find the lowest common multiple of 36 and 72
7/10	**19/25**	**16**	**72**
Question 13	**Question 14**	**Question 15**	**Question 16**
Work out 20 ÷ -5 =	Work out -8 × -5 =	Complete the ratio 16 : 64 = 1 : ?	Complete the ratio 6 : 30 = 1 : ?
-4	**40**	**4**	**5**
Question 17	**Question 18**	**Question 19**	**Question 20**
Solve $7x + 2 = 4x - 10$	Solve $4x - 4 = 3x - 3.5$	Express 420 as a product of prime factors	Express 144 as a product of prime factors
$x = -4$	**$x = 0.5$**	**$2^2 \times 3 \times 5 \times 7$**	**$2^4 \times 3^2$**

Question 1	Question 2	Question 3	Question 4
Estimate $20 \times 54 =$	Estimate $123 \times 49 =$	Work out	Work out
1000	**5000**	**5/12**	**21/40**
Question 5	**Question 6**	**Question 7**	**Question 8**
Work out £311 ÷ 5	Work out £375.60 ÷ 6	Expand $5x(3 + 2x)$	Expand $4x(5x - 2)$
£62.20	**£62.60**	$15x + 10x^2$	$20x^2 - 8x$
Question 9	**Question 10**	**Question 11**	**Question 12**
Express 24% as a fraction in its lowest form	Express 27% as a fraction in its lowest form	Find the highest common factor of 126 and 140	Find the lowest common multiple of 30 and 40
6/25	**27/100**	**14**	**120**
Question 13	**Question 14**	**Question 15**	**Question 16**
Work out $2 \times -1 =$	Work out $10 \times -1 =$	Complete the ratio 12 : 48 = 1 : ?	Complete the ratio 8 : 24 = 1 : ?
-2	**-10**	**4**	**3**
Question 17	**Question 18**	**Question 19**	**Question 20**
Solve $6x + 2 = 2x - 14$	Solve $3x + 5 = 2x + 7$	Express 108 as a product of prime factors	Express 44 as a product of prime factors
$x = -4$	$x = 2$	$2^2 \times 3^3$	$2^2 \times 11$

Question 1 Estimate 5902 + 3985 = **10000**	**Question 2** Estimate 45 × 56 = **3000**	**Question 3** Work out **1/16**	**Question 4** Work out **1/3**
Question 5 Work out £223.50 ÷ 5 **£44.70**	**Question 6** Work out £297.20 ÷ 4 **£74.30**	**Question 7** Expand 6x(2x + 11) **$12x^2 + 66x$**	**Question 8** Expand 5x(2x - 3) **$10x^2 - 15x$**
Question 9 Express 93% as a fraction in its lowest form **93/100**	**Question 10** Express 91% as a fraction in its lowest form **91/100**	**Question 11** Find the highest common factor of 120 and 135 **15**	**Question 12** Find the lowest common multiple of 20 and 30 **60**
Question 13 Work out 10 × -1 = **-10**	**Question 14** Work out 81 ÷ -9 = **-9**	**Question 15** Complete the ratio 12 : 48 = 1 : ? **4**	**Question 16** Complete the ratio 6 : 36 = 1 : ? **6**
Question 17 Solve 4x - 5 = 3x - 3 **x = 2**	**Question 18** Solve 4x + 3 = 3x - 2 **x = -5**	**Question 19** Express 24 as a product of prime factors **$2^3 × 3$**	**Question 20** Express 54 as a product of prime factors **$2 × 3^3$**

Question 1 Estimate $17671 \div 93 =$ **200**	**Question 2** Estimate $4122 \div 19 =$ **200**	**Question 3** Work out **4/9**	**Question 4** Work out **1/4**
Question 5 Work out £538.30 $\div$ 7 **£76.90**	**Question 6** Work out £150.60 $\div$ 2 **£75.30**	**Question 7** Expand $5x(7 + 5x)$ **$35x + 25x^2$**	**Question 8** Expand $3x(11x + 3)$ **$33x^2 + 9x$**
Question 9 Express 86% as a fraction in its lowest form **43/50**	**Question 10** Express 80% as a fraction in its lowest form **4/5**	**Question 11** Find the highest common factor of 30 and 60 **30**	**Question 12** Find the lowest common multiple of 28 and 35 **140**
Question 13 Work out $7 \times -6 =$ **-42**	**Question 14** Work out $4 \times -1 =$ **-4**	**Question 15** Complete the ratio 10 : 35 = 1 : ? **3.5**	**Question 16** Complete the ratio 4 : 32 = 1 : ? **8**
Question 17 Solve $5x + 4 = 4x + 9$ **$x = 5$**	**Question 18** Solve $4x + 0 = 3x + 2$ **$x = 2$**	**Question 19** Express 504 as a product of prime factors **$2^3 \times 3^2 \times 7$**	**Question 20** Express 210 as a product of prime factors **$2 \times 3 \times 5 \times 7$**

Question 1 Estimate 9889 - 7344 = 3000	**Question 2** Estimate 78 × 33 = 2400	**Question 3** Work out 21/55	**Question 4** Work out 1/5
Question 5 Work out £436.10 ÷ 7 £62.30	**Question 6** Work out £126.30 ÷ 3 £42.10	**Question 7** Expand 2x(5x - 1) $10x^2 - 2x$	**Question 8** Expand 2x(1 - 7x) $2x - 14x^2$
Question 9 Express 59% as a fraction in its lowest form 59/100	**Question 10** Express 98% as a fraction in its lowest form 49/50	**Question 11** Find the highest common factor of 120 and 105 15	**Question 12** Find the lowest common multiple of 30 and 36 180
Question 13 Work out 90 ÷ -10 = -9	**Question 14** Work out -24 ÷ -4 = 6	**Question 15** Complete the ratio 5 : 25 = 1 : ? 5	**Question 16** Complete the ratio 4 : 16 = 1 : ? 4
Question 17 Solve 8x + 2 = 6x - 2 x = -2	**Question 18** Solve 3x - 3 = 2x - 4 x = -1	**Question 19** Express 96 as a product of prime factors $2^5 × 3$	**Question 20** Express 180 as a product of prime factors $2^2 × 3^2 × 5$