Question 1	Question 2	Question 3	Question 4
Expand and simplify $(x - 4)(x + 6)$	Expand and simplify $(5x - 3)(3x - 2)$	Factorise $15x + 10$	Factorise fully
$x^2 + 2x - 24$	$15x^2 - 19x + 6$	$5(3x + 2)$	$7x(1 + 5x)$

Question 5	Question 6	Question 7	Question 8
Factorise	Factorise	Make x the subject of the formula	Make x the subject of the formula
$(x + 5)(x + 6)$	$(x - 1)(x + 4)$	$x = \dfrac{y-b}{a}$	$x = \dfrac{b-y}{a}$

Question 9	Question 10	Question 11	Question 12
Work out $7 \div 0.1 =$	Work out $9.6 \div 0.6 =$	Work out	Work out
70	16	9 1/15	11/12

Question 13	Question 14	Question 15	Question 16
Divide £7000 in the ratio 3 : 7	Divide £2400 in the ratio 5 : 7	Work out the value of $3x + 7y$ when x = -2 and y = -5	Work out the value of $xp2 + y$ when x = -1 and y = 6
£2100, £4900	£1000, £1400	-41	7

Question 17	Question 18	Question 19	Question 20
Find the median 7, 7, 5, 19, 10	Find the median 1.8, 2.3, 2.3, 2.2, 1.7, 1	Solve $x/3 - 2 = 2x - 17$	Solve $4(5x - 4) = -56$
7	2	$x = 9$	$x = -2$

Question 1 Expand and simplify (x + 4)(x + 1)	**Question 2** Expand and simplify (4x + 6)(3x + 6)	**Question 3** Factorise 35x - 21	**Question 4** Factorise fully
$x^2 + 5x + 4$	$12x^2 + 42x + 36$	$7(5x - 3)$	$11x^2(2 - 5x)$
Question 5 Factorise	**Question 6** Factorise	**Question 7** Make x the subject of the formula	**Question 8** Make x the subject of the formula
$(x - 7)(x + 1)$	$(x + 2)(x - 6)$	$x = \pm\sqrt{\dfrac{y}{a}}$	$x = \pm\dfrac{\sqrt{y}}{a}$
Question 9 Work out 9.6 ÷ 0.8 =	**Question 10** Work out 3 ÷ 0.2 =	**Question 11** Work out	**Question 12** Work out
12	15	3 1/10	4 1/5
Question 13 Divide 1440g in the ratio 1 : 7	**Question 14** Divide £1400 in the ratio 5 : 3	**Question 15** Work out the value of 7x - 9y when x = 1 and y = 8	**Question 16** Work out the value of when x = -4 and y = 7
180g, 1260g	£875, £525	-65	103
Question 17 The mean of 11, x, 21, 19, 45 is 23. Find x	**Question 18** The mean of 13, x, 10, 11, -4 is 7. Find x	**Question 19** x/4 + 3 = 3x - 19	**Question 20** Solve 5(3x + 4) = 95
19	5	x = 8	x = 5

Question 1 Expand and simplify (x + 6)(x + 5)	Question 2 Expand and simplify (3x - 4)(3x + 1)	Question 3 Factorise 63x - 35	Question 4 Factorise fully
$x^2 + 11x + 30$	$9x^2 - 9x - 4$	$7(9x - 5)$	$9x(3 - 2x^2)$
Question 5 Factorise	Question 6 Factorise	Question 7 Make x the subject of the formula	Question 8 Make x the subject of the formula
$(x + 5)(x - 3)$	$(x - 1)(x - 2)$	$x = ay$	$x = \dfrac{a}{y}$
Question 9 Work out 5.6 ÷ 0.7 =	Question 10 Work out 3 ÷ 0.6 =	Question 11 Work out	Question 12 Work out
8	5	19/21	3 2/21
Question 13 Divide 2400g in the ratio 5 : 7	Question 14 Divide £1800 in the ratio 5 : 7	Question 15 Work out the value of $2x - y^2$ when x = 3 and y = 1	Question 16 Work out the value of 5x - 4y when x = 3 and y = -6
1000g, 1400g	£750, £1050	5	39
Question 17 The mean of 4, x, 8, 8, 4 is 6. Find x	Question 18 Find the median 1, 1.6, 1.3, 0.9, 2, 0.6	Question 19 x/2 + 3 = 3x - 12	Question 20 Solve 4x - 2/5 = x - 1
6	1.15	x = 6	x = 3

Question 1	Question 2	Question 3	Question 4
Expand and simplify (x - 3)(x - 7)	Expand and simplify (4x + 2)(2x + 1)	Factorise 12x + 4	Factorise fully
$x^2 - 10x + 21$	$8x^2 + 8x + 2$	$4(3x + 1)$	$8(7 + 3x^2)$
Question 5	Question 6	Question 7	Question 8
Factorise	Factorise	Make x the subject of the formula	Make x the subject of the formula
$(x + 4)(x - 5)$	$(x - 4)(x - 7)$	$x = \dfrac{y^2}{a}$	$x = \left(\dfrac{y}{a}\right)^2$
Question 9	Question 10	Question 11	Question 12
Work out $6.4 \div 0.4 =$	Work out $14.4 \div 0.9 =$	Work out	Work out
16	16	3 31/90	1 7/18
Question 13	Question 14	Question 15	Question 16
Divide £1300 in the ratio 1 : 3	Divide 3000g in the ratio 3 : 7	Work out the value of $x^2 + y$ when x = -1 and y = 6	Work out the value of $3x - y^2$ when x = -6 and y = 3
£325, £975	900g, 2100g	7	-27
Question 17	Question 18	Question 19	Question 20
Find the median 1.9, 1.8, 1.9, 0.7, 1.5, 1.5	The mean of 20, x, 4, 18, 27 is 17. Find x	x/3 + 2 = 2x - 18	Solve 5x - 2 = 4x - 4
1.65	16	x = 12	x = -2

Question 1	Question 2	Question 3	Question 4
Expand and simplify $(x + 4)(x - 1)$	Expand and simplify $(5x - 5)(3x - 4)$	Factorise $20x + 15$	Factorise fully
$x^2 + 3x - 4$	$15x^2 - 35x + 20$	$5(4x + 3)$	$7x^2(7x + 3)$
Question 5	**Question 6**	**Question 7**	**Question 8**
Factorise	Factorise	Make x the subject of the formula	Make x the subject of the formula
$(x + 4)(x + 2)$	$(x + 5)(x + 7)$	$x = (y - a)^2$	$x = y^2 - a$
Question 9	**Question 10**	**Question 11**	**Question 12**
Work out $10.2 \div 0.6 =$	Work out $4.8 \div 0.3 =$	Work out	Work out
17	16	3 3/4	3 1/6
Question 13	**Question 14**	**Question 15**	**Question 16**
Divide 8100ml in the ratio 7 : 11	Divide 2700ml in the ratio 5 : 1	Work out the value of $x + y^2$ when $x = 4$ and $y = 1$	Work out the value of $6x - y^2$ when $x = -3$ and $y = 8$
3150 ml, 4950 ml	2250 ml, 450 ml	5	-82
Question 17	**Question 18**	**Question 19**	**Question 20**
The mean of 10, x, 17, 11, 55 is 20. Find x	The mean of 6, x, 6, 9, 7 is 6. Find x	$x/3 + 2 = x - 2$	Solve $3x + 15/2 = x + 5$
7	2	$x = 6$	$x = -5$

Question 1	Question 2	Question 3	Question 4
Expand and simplify $(x + 3)(x - 3)$	Expand and simplify $(5x - 2)(3x - 4)$	Factorise $10x + 15$	Factorise fully
$x^2 - 9$	$15x^2 - 26x + 8$	$5(2x + 3)$	$11x(3x + 1)$
Question 5	**Question 6**	**Question 7**	**Question 8**
Factorise	Factorise	Make x the subject of the formula	Make x the subject of the formula
$(x + 2)(x + 6)$	$(x + 1)(x + 2)$	$x = \frac{(y-b)^2}{a}$	$x = \left(\frac{y - b}{a}\right)^2$
Question 9	**Question 10**	**Question 11**	**Question 12**
Work out $1.8 \div 0.2 =$	Work out $7.6 \div 0.4 =$	Work out	Work out
9	19	4/21	1 5/7
Question 13	**Question 14**	**Question 15**	**Question 16**
Divide £3000 in the ratio 11 : 1	Divide 2160g in the ratio 1 : 11	Work out the value of 2 - xy when $x = -3$ and $y = -3$	Work out the value of 5x - 10y when $x = 1$ and $y = -4$
£2750, £250	180g, 1980g	-7	45
Question 17	**Question 18**	**Question 19**	**Question 20**
Find the median 10, 14, 19, 12, 5	The mean of 23, x, 24, 10, 26 is 19. Find x	Solve $8x + 5 = 7x + 8$	$x/3 + 3 = 2x - 22$
12	12	$x = 3$	$x = 15$

Question 1	Question 2	Question 3	Question 4
Expand and simplify $(x + 6)(x - 1)$	Expand and simplify $(3x + 6)(3x - 2)$	Factorise $24x + 8$	Factorise fully
$x^2 + 5x - 6$	$9x^2 + 12x - 12$	$8(3x + 1)$	$11x(7 - 3x)$
Question 5	**Question 6**	**Question 7**	**Question 8**
Factorise	Factorise	Make x the subject of the formula	Make x the subject of the formula
$(x + 2)(x - 1)$	$(x - 5)(x + 6)$	$x = y(a+b)$	$x = by - a$
Question 9	**Question 10**	**Question 11**	**Question 12**
Work out $\quad 7.2 \div 0.8 =$	Work out $\quad 0.6 \div 0.01 =$	Work out	Work out
9	60	3 7/20	4 25/42
Question 13	**Question 14**	**Question 15**	**Question 16**
Divide £8100 in the ratio 11 : 7	Divide £4050 in the ratio 11 : 7	Work out the value of $5x - 9y^2$ when $x = -5$ and $y = 1$	Work out the value of $6x - 10y^2$ when $x = 4$ and $y = 0.5$
£4950, £3150	£2475, £1575	-34	21.5
Question 17	**Question 18**	**Question 19**	**Question 20**
Find the median 23, 7, 15, 7, 19	Find the median 23, 22, 21, 7, 15	Solve $5x - 4 = 3x + 6$	Solve $5x - 20/3 = x - 4$
15	21	$x = 5$	$x = 4$