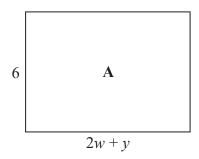
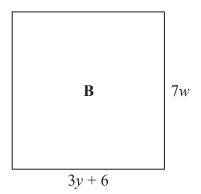
2 4	Summer 2019 Paper 2 Q15
1 Make m the subject of the formula $f = \frac{3m+4}{m-1}$	
m-1	
	(Total for Question 1 is 3 marks)
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		<u>Summer 2020 Paper 1 Q17</u>
_	Make f the subject of the formula $d = \frac{3(1-f)}{f-4}$	
2	Make f the subject of the formula $d = \frac{1}{f}$	
	$\int -4$	
		(Total for Question 2 is 4 marks)
		(10001101 & 0001011 = 10 1 11101110)

Summer	2021	Paper	1	<i>Q11</i>

3 The diagram shows two rectangles, A and B.





All measurements are in centimetres.

The area of rectangle A is equal to the area of rectangle B.

Find an expression for y in terms of w.

(Total for Question 3 is 4 marks)

Autumn	2018	Paner	1	α^2
Autumn	2010	1 uper	1	\mathcal{Q}^2

4 $v^2 = u^2 + 2as$

$$u = 12$$
 $a = -3$ $s = 18$

(a) Work out a value of v.

(2)

(b) Make s the subject of $v^2 = u^2 + 2as$

(2)

(Total for Question 4 is 4 marks)

Autumn	2019	Paper	1	012

5	T =	$\frac{q}{2}$ +	5
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Here is Spencer's method to make q the subject of the formula.

$$2 \times T = q + 5$$

$$q = 2T - 5$$

What mistake did Spencer make in the first line of his method?

(Total for Question 5 is 1 mark)

6	The number of days, d, that it will take to build a house is given by
	720
	$d = \frac{720}{n}$
	where n is the number of workers used each day.
	Ali's company will take 40 days to build the house. Hayley's company will take 30 days to build the house.
	Hayley's company will have to use more workers each day than Ali's company.
	How many more?
_	(Total for Question 6 is 3 marks)

7	Make k the subject of the formula $y = \sqrt{2m - k}$	<u>Autumn 2019 Paper 2 Q10</u>
		(Total for Question 7 is 2 marks)

8	Make a the subject of the formula $p = 3a - 9$	<u>Autumn 2022 Paper 3 Q1</u>
		(Total for Question 8 is 2 marks)

0	T 42 11	<u>Summer 2022 Paper 3 Q2</u>
9	$T = 4m^2 - 11$	
	(a) Work out the value of T when $m = -3$	
		$T = \dots$
		(2)
	(b) Make p the subject of the formula $d = 3p + 4$	
		(2)
		(2)
	(Te	otal for Question 9 is 4 marks)

Buntiner 2017 1 aper 3 Q11		Summer	2017	Paper	3	Q14
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10 (a) Simplify $\frac{x^2 - 16}{2x^2 - 5x - 12}$

(3)

(b) Make v the subject of the formula $w = \frac{15(t - 2v)}{v}$

(3)

(Total for Question 10 is 6 marks)