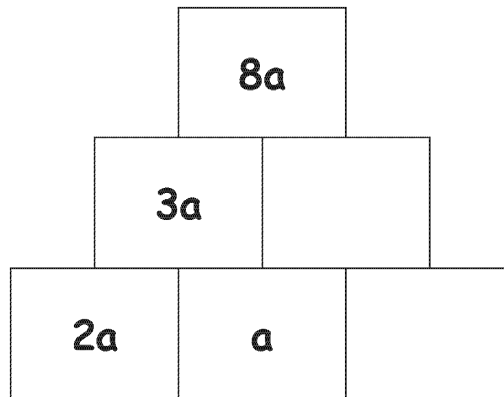
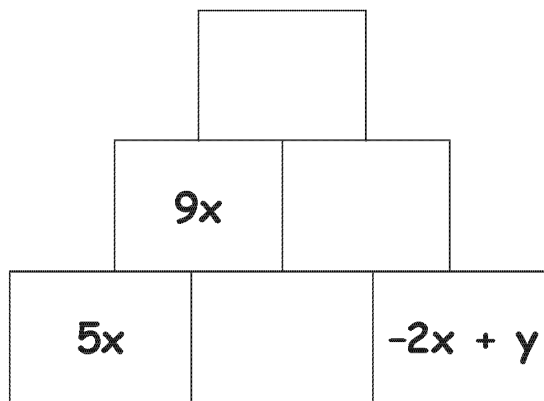


1. To fill in a block, you must add the values on the two blocks directly below it.  
 Some values are already displayed.  
 Fill in the empty blocks.  
 You must simplify your answer.

(a) [2]



(b) [3]



2. (a) Simplify  $7x + 5y - 3x - 2y$ . [2]

.....

(b) Given that  $e = 4f - 5$ , find the value of  $e$  when  $f = 3$ . [2]

.....  
 .....  
 .....

S J H S

3.

(a) Simplify  $a + 3b + a - 4b$ . [2]

.....

.....

(b) Rebecca thinks of a number.  
She multiplies the number by 4 and subtracts 7 to get 41.  
What was her number? [2]

.....

.....

.....

(c) An apple and a pear are placed on a scale, as shown in Diagram 1.  
Another apple is added to the scale, as shown in Diagram 2.  
Both apples have the same weight.  
What is the weight of the pear? [4]

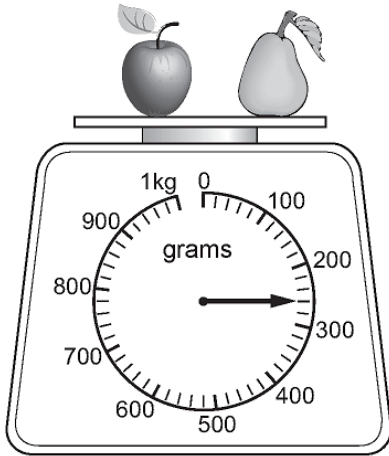


Diagram 1

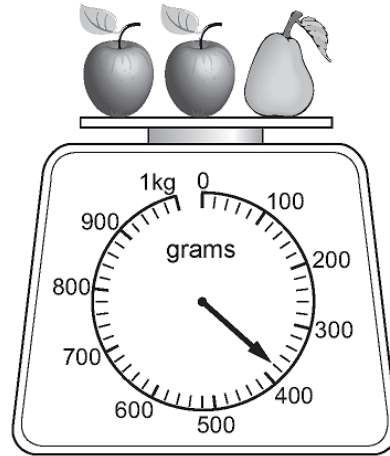


Diagram 2

.....

.....

.....

SJHS

4.

(a) Write down the next term in **each** of the following sequences. [2]

(i) 15, 21, 27, 33, .....

(ii) 62, 56, 51, 47, .....

.....  
.....

(b) Describe, in words, the rule for continuing the sequence  $48, 12, 3, \frac{3}{4}, \dots$  [1]

.....

(c) Find the value of  $p = 3a + 4b - 6c$  when  $a = 2, b = 3$  and  $c = -1$ . [2]

.....  
.....  
.....

(d) Simplify  $5x + 2x - 3x$ . [1]

.....  
.....

SJHS

5.

(a) Simplify  $3x + 5y + x - 7y$ .

.....  
..... [2]

(b) Solve

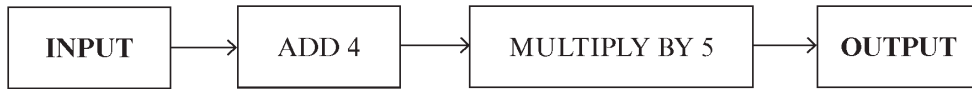
(i)  $\frac{y}{6} = 12$ ,

.....  
..... [1]

(ii)  $7x - 8 = 20$ .

.....  
..... [2]

(c) Here is a number machine.



Write down the OUTPUT when the INPUT is  $n$ .

.....  
.....  
..... [2]

SJHS

6.

(a) Write down the next number in this sequence. [1]

100, 93, 86, 79, .....

.....

(b) Solve these equations.

(i)  $3x = 60$  [1]

.....

.....

(ii)  $y + 19 = 26$  [1]

.....

.....

(c) Simplify  $5p + 6p - 8p$ . [1]

.....

(d) Here is a number machine.



Write down the OUTPUT when the INPUT is 1. [1]

.....

.....

.....

SJHS

**7.** Solve each of the following equations.

(a)  $x - 4 = 3$

.....  
..... [1]

(b)  $4x = 36$

.....  
..... [1]

(c)  $5x - 4 = 31$

.....  
.....  
.....  
..... [2]

**8.** Solve the equation  $8a + 7 = 2a + 34$ . [3]

.....  
.....  
.....  
.....  
.....

SJHS

9.

(a) Solve  $\frac{x}{7} = 7$ . [1]

.....  
.....

(b) Solve  $5y - 6 = 49$ . [2]

.....  
.....

(c) (i) Find the values of  $x$  and  $y$  when  $4x = 20$  and  $x + y = 4$ . [2]

.....  
.....

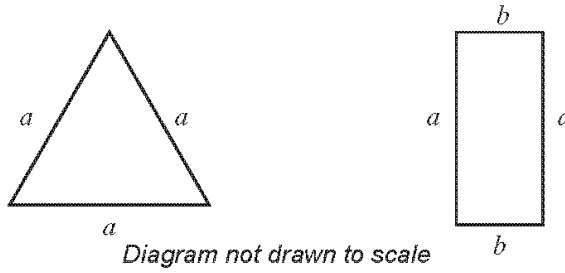
(ii) Use your answers to find the value of  $2x + 3y$ . [2]

.....  
.....

SJHS

10.

The perimeter of the triangle is 30 cm.  
The perimeter of the rectangle is also 30 cm.



Use this information to find the area of the square below.

[4]

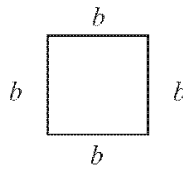


Diagram not drawn to scale

.....

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.....

.....

.....

Area of the square = ..... cm<sup>2</sup>

SJHS



**11.** (a) Solve the following equation. [3]

$$2(30 - x) = 44$$

.....  
.....  
.....  
.....

(b) Simplify  $3(4a - 2c) - 2(2a + 4c)$ . [2]

.....  
.....  
.....  
.....  
.....

(c) Find all integer values of  $n$  that satisfy the inequality. [3]

$$5 \leq 3n < 18$$

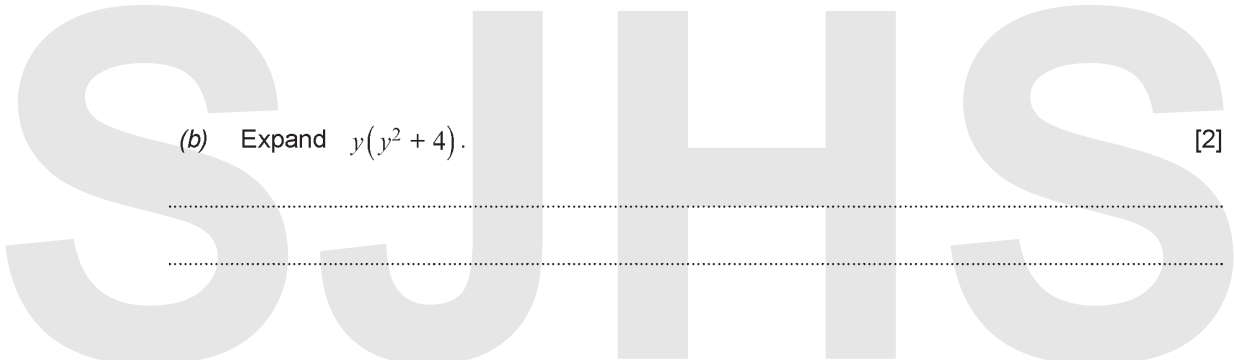
.....  
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.....

**12.** (a) Solve  $\frac{x}{2} + 18 = 26$ . [2]

.....  
.....  
.....

(b) Expand  $y(y^2 + 4)$ . [2]

.....  
.....



**13.**

Solve the equation  $3(x - 2) = x + 2$ .

[3]

.....

.....

.....

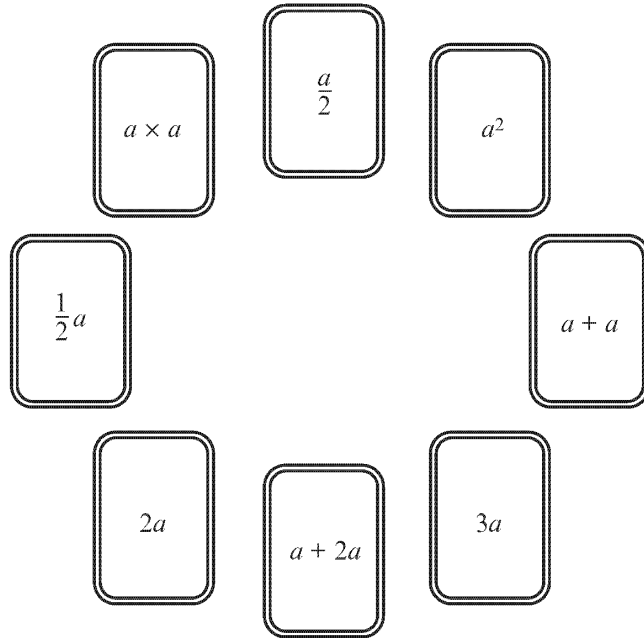
.....

.....

.....

SJHS

14. Sammy and Jack play snap with these algebra cards.

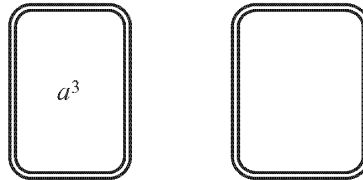


(a) Draw lines to connect the pairs of cards that are equivalent.

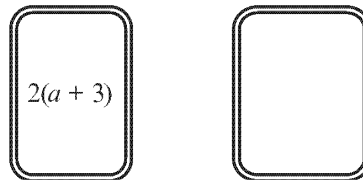
[4]

(b) For each of the following cards, write another equivalent card.

(i)



(ii)



.....

.....

.....

.....

[2]

SJHS

15.

(a) Simplify  $x + 2x + 5x$ . [1]

.....

(b) Simplify  $10a + 7b - 12a + 2b$ . [2]

.....

(c) Find the value of  $10x + 3y$ , when  $x = -4$  and  $y = 5$ . [2]

.....

.....

(d) Expand  $2x(3y + 7)$ . [2]

.....

(e) Factorise  $10ab - 25a$ . [2]

.....

SJHS

16.

$6c + 3$

$3c + 6$

$3c$

$c + 3$

$6(c + 3)$

$\frac{c + 3}{6}$

$3(c + 6)$

$\frac{c}{6} + 3$

Fill in the table below to match each statement with one of the expressions given above. [4]

STATEMENT	EXPRESSION
Three times a number $c$	
Add 3 to a number $c$ and then multiply this total by 6	
Three times a number $c$ and then add 6	
Add 3 to a number $c$ and then divide this total by 6	

17.

In the following table, the letters  $a$ ,  $b$ ,  $c$  and  $d$  represent different numbers. The total for each row is given at the side of the table. Find the values of  $a$ ,  $b$ ,  $c$  and  $d$ .

$a$	$a$	$a$	$a$	16
$a$	$b$	$b$	$a$	18
$a$	$c$	$c$	$c$	13
$a$	$b$	$c$	$d$	14

.....  
 .....  
 .....  
 .....

$a =$  .....       $b =$  .....       $c =$  .....       $d =$  .....

[4]

**18.** (a) Solve the equation  $2x - 5 = 11$ . [2]

.....  
.....

(b) Given that  $A = 4B + 6C$ , calculate the value of  $C$  when  $A = 42$  and  $B = 3$ . [3]

.....  
.....  
.....  
.....

**19.** Use the formula  $M = 4A - 6B$  to find the value of  $M$  when  $A = 8$  and  $B = 3$ . [2]

.....  
.....  
.....

SJHS

20.

- (a) (i) A magazine costs  $\pounds m$ .  
Write down, in terms of  $m$ , the cost of 6 magazines.

..... [1]

- (ii) Louise weighs  $x$  kg.  
Imrana is 4 kg lighter.  
Write down, in terms of  $x$ , Imrana's weight.

..... [1]

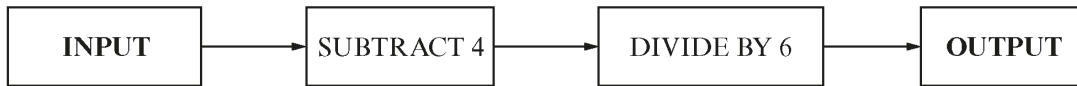
- (b) Find the value of  $7x + 3y$  when  $x = -2$  and  $y = 4$ .

..... [2]

- (c) Solve  $5x - 3 = 17$ .

..... [2]

- (d) Here is a number machine.



Write down the **OUTPUT** when the **INPUT** is  $n$ .

..... [2]

SJHS

21.

*You will be assessed on the quality of your written communication in this question.*

A computer technician takes 45 minutes to service a computer.

She charges using the following formula:

$$\text{Charge} = \text{£}30 \times \text{number of hours worked} + \text{total cost of parts}$$

Calculate the charge for servicing 8 computers when the total cost of parts was £65. [6]

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SJHS



**22.** A landscape gardener is asked by the owner of a caravan park to plant some trees on the site. To work out the total bill, the gardener uses the formula

$$\text{total bill} = \text{time taken in hours} \times \text{£10} + \text{total cost of the trees.}$$

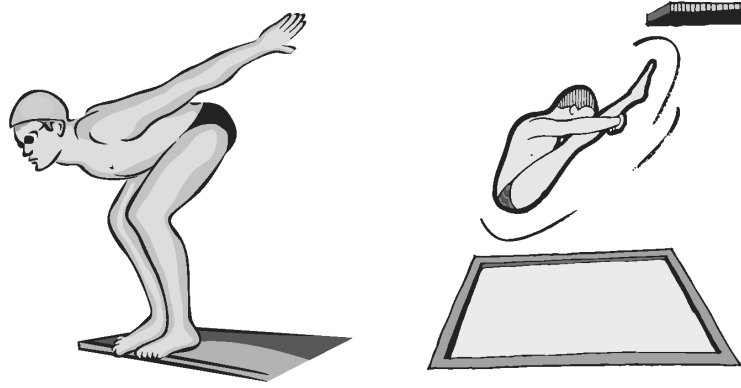
The gardener bought 24 trees at a price of £5 each.  
It took the gardener a quarter of an hour to plant each tree.  
Calculate the total bill.

.....  
.....  
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.....

[6]

SJHS

23.



In a diving competition, the final score for a dive depends on:

- the degree of difficulty of the dive;
- the total of the marks awarded by 5 judges.

The formula for working out the final score is shown below.

<b>Final score = <math>0.6 \times \text{degree of difficulty} \times \text{total of the judges' marks}</math></b>
---

- (a) Tim does a dive with a degree of difficulty of 3.8.  
The judges' marks have a total of 32.5.  
What is the final score for Tim's dive?

.....  
.....  
.....

[2]

- (b) For Tim to win the competition he will need a score of 100.8 from his final dive.  
Tim's final dive has a degree of difficulty of 4.2.  
For Tim to score 100.8, what does the total of the judges' marks need to be?

.....  
.....  
.....  
.....

[2]

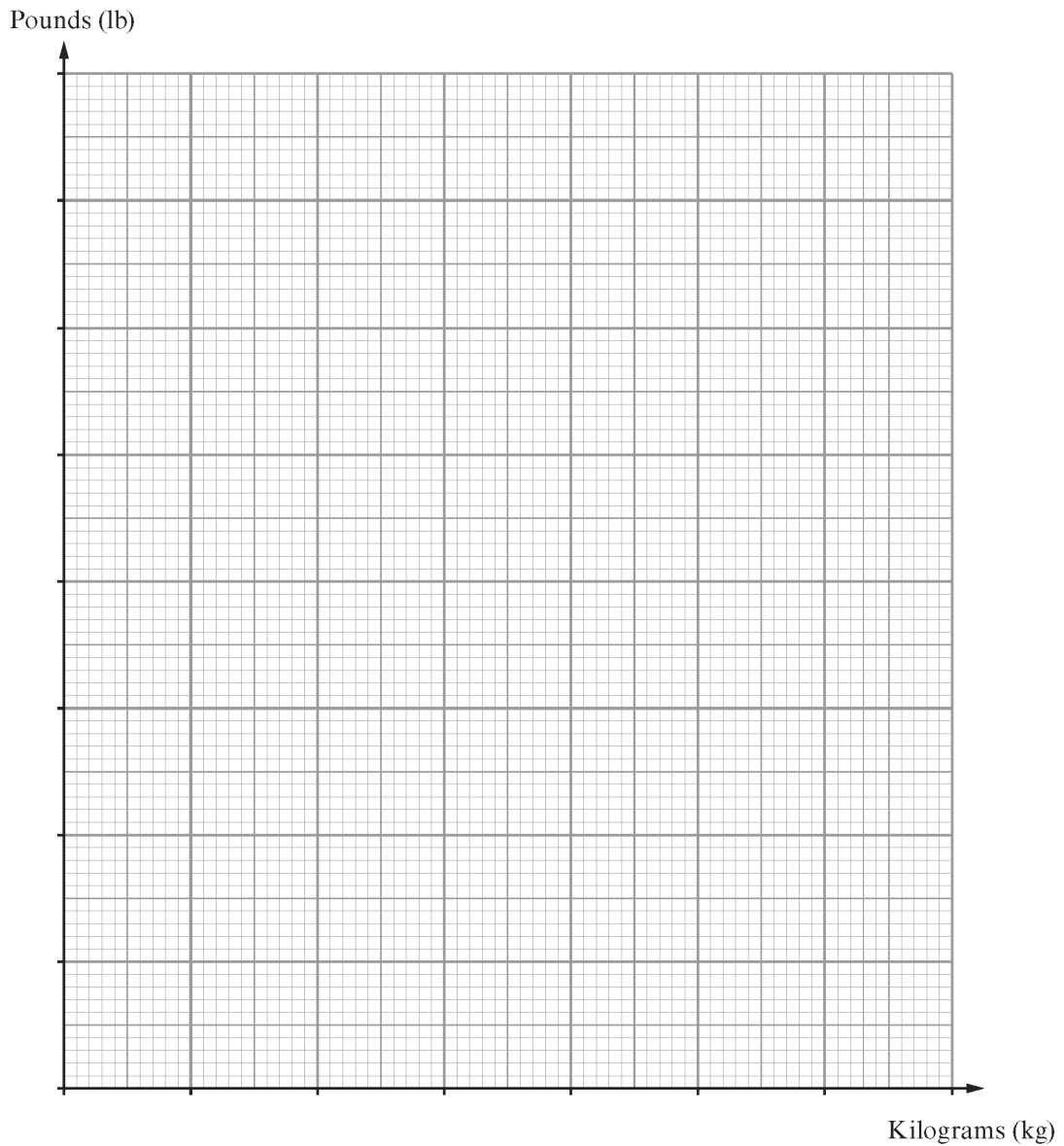
S J H S

**24.** In a hospital clinic the following information is used to convert between kilograms (kg) and pounds (lb).

Kilograms (kg)	0	39	68
Pounds (lb)	0	86	150

(a) Use the information in the table to draw a conversion graph.

[2]

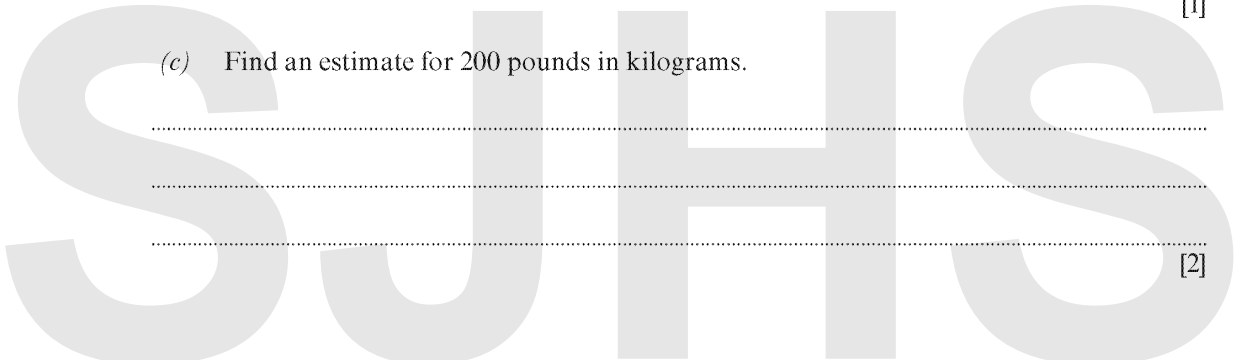


(b) Use your graph to find an estimate for 50 kilograms in pounds.

[1]

(c) Find an estimate for 200 pounds in kilograms.

[2]

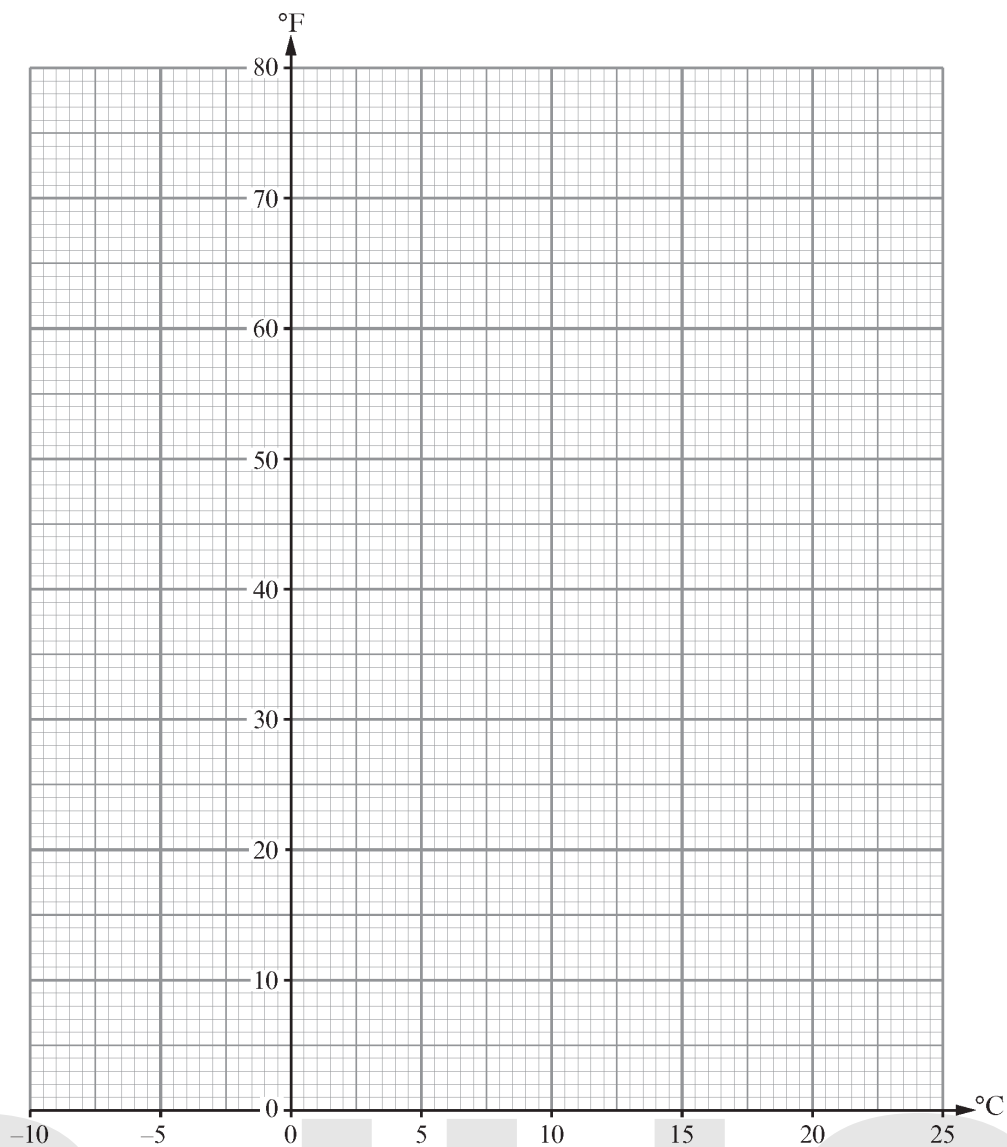


25.

The table below gives three temperature readings, both in Celsius ( $^{\circ}\text{C}$ ) and in Fahrenheit ( $^{\circ}\text{F}$ ).

$^{\circ}\text{C}$	-5	5	25
$^{\circ}\text{F}$	23	41	77

(a) On the graph paper below, draw a conversion graph between  $^{\circ}\text{C}$  and  $^{\circ}\text{F}$ . [3]



- (b) Water freezes at  $0^{\circ}\text{C}$  under normal conditions.  
Use your graph to find the temperature, in  $^{\circ}\text{F}$ , at which water freezes under normal conditions.

.....  
[1]

- (c) Which is the higher temperature,  $60^{\circ}\text{F}$  or  $18^{\circ}\text{C}$ ?  
You must give a clear reason for your answer.

.....  
.....  
.....  
[1]

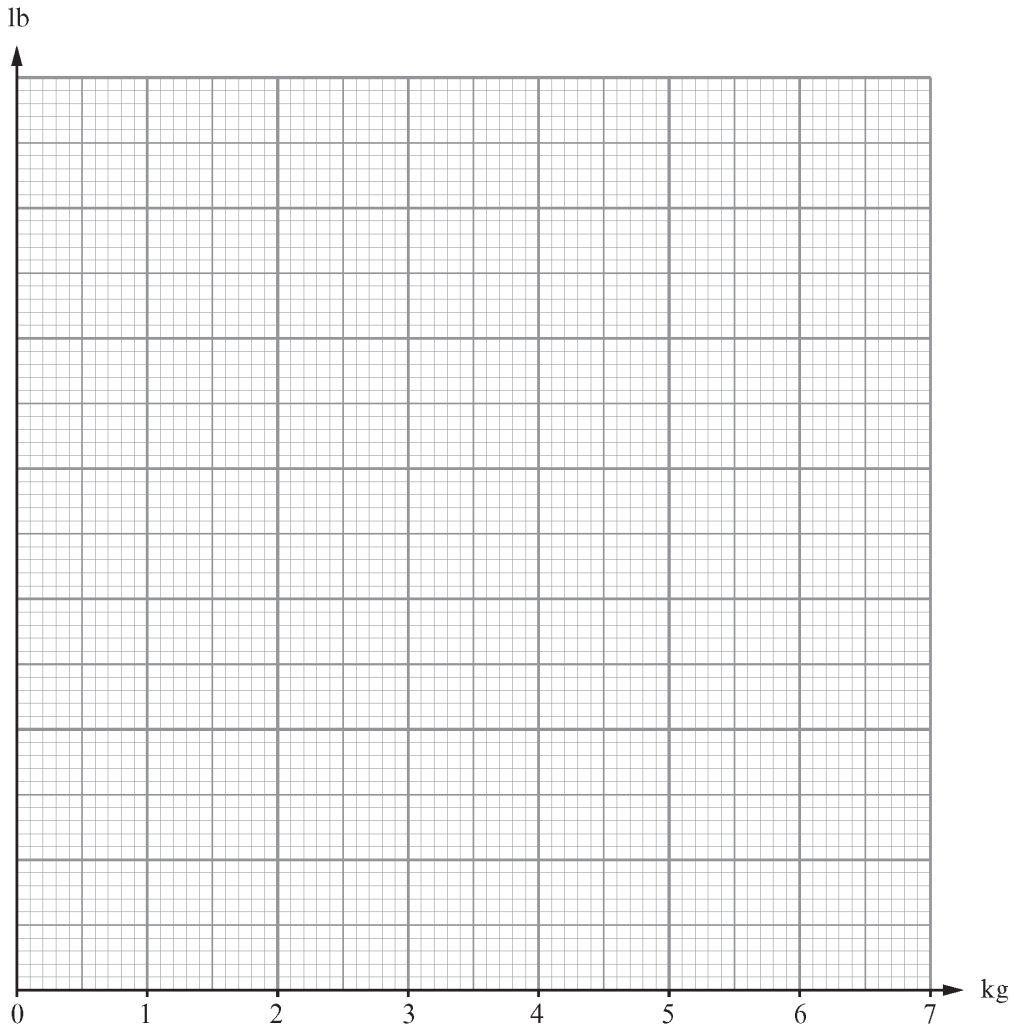
SJHS

**26.** The following two pieces of information, given in both kilograms (kg) and pounds (lb), were seen in a cookery magazine.

Use 5 kg (11 lb) of apples. Wash and peel them.

Use 2 lb (0.9 kg) of sugar. Warm the sugar before use.

(a) Use the information to draw a conversion graph between kilograms and pounds.



[3]

(b) A person weighs 10 stone. (1 stone = 14 lb.)

Use your graph to estimate the weight of this person in kilograms.  
Remember to show the method you have used.

.....

.....

.....

.....

.....

.....

[3]

**27.**

Write down the  $n$ th term of the following sequences.

(a) 6, 13, 20, 27, .....

.....  
..... [2]

(b) 26, 20, 14, 8, .....

.....  
..... [2]

**28.**

Find the  $n$ th term of the following sequences.

(a) 3, 13, 23, 33, 43, ....

.....  
..... [2]

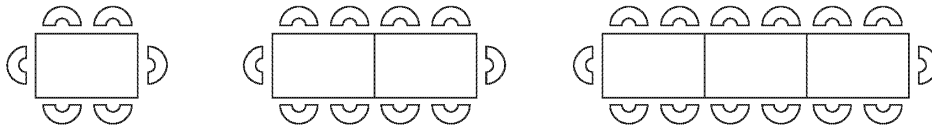
(b) 50, 40, 30, 20, 10, ....

.....  
.....  
..... [2]

SJHS

29.

Seating arrangements around 1, 2 and 3 tables are shown below.  
Tables must be placed only side by side in one row.



(a) In the space below, draw a seating arrangement for a row of 4 tables. [1]

(b) Complete the following table for the seating arrangements. [2]

Number of tables	1	2	3	4	5
Number of seats	6	10			

(c) Complete the following formula which connects the number of seats and the number of tables. [2]

Number of seats = .....

(d) How many seats are there around a row of 7 tables? [1]

.....  
 .....

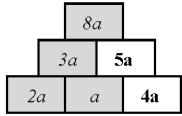
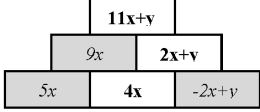
(e) How many tables are needed for 82 seats? [2]

.....  
 .....  
 .....

S J H S



# Marking Scheme

1.	8. (a)		B1 B1	For the 5a For the 4a FT 'their 5a' - a
	(b)		B1 B1 B1 5	For the 4x For the 2x + y FT 'their 4x' - 2x + y For the 11x + y FT 9x + 'their 2x + y', must be in the form ax + by

2.	9. (a) $4x + 3y$	B2	Must be an expression, as shown. Award B1 for either of the 2 terms correct within an expression or both terms correct but not in an expression.
	(b) $(4 \times 3) - 5 = 7$	M1 A1 4	CAO

2015 November Paper 2 (Calculator allowed) Foundation Tier	Marks	FINAL MARK SCHEME Comments
8. (a) $2a - b$	B2	Mark final answer. Must be an expression. B1 for either term, 2a or -b OR $2a + (-b)$
(b) 12	<b>B2</b>	<b>Final answer must be 12 for the B2.</b> <b>B1 for 'Add 7 to get 48' followed by</b> <b>B1 for 'Divide by 4 to get 12'</b> <b>Accept embedded answers.</b>
(c) Sight of 380 or 260	B1	For either reading from the scales
1 apple weighs <b>380 - 260 (= 120(g))</b>	M1	F.T. their reading provided 'their 260' is between 200 and 300 exclusive, <b>AND</b> 'their 380' is between 300 and 400 exclusive
1 pear weighs $260 - 120 = 140$ (g)	m1 A1	<b>Follow through 'their values for 380, 260 and 520'</b> C.A.O.
1 pear weighs $520 - 380 = 140$ (g)	8	A correct solution is awarded all 4 marks

4.	5. (a) (i) 39 (ii) 44	B1 B1	B0 for $6n+9$
	5. (b) Divide the previous term by 4	B1	Accept $\div 4$ . Accept $\times \frac{1}{4}$ . <b>Accept quarterly.</b> <b>Accept 'halve and halve again'</b> <b>B0 for dividing into quarters</b> B0 for $n/4$
	5. (c) $(p= 3 \times 2 + 4 \times 3 - 6 \times -1 =) 6+12+6 = 24$	M1 A1	Award only when a correct substitution is assured Unsupported 24 gets M1,A1. Any other unsupported answer gets M0,A0. SC1 for seeing $6+12-6 = 12$
	5. (d) $4x$ <b>ISW</b>	B1	

5. 8. (a) $4x - 2y$	B2	B1 for either in an expression of the form $af(x) \pm bg(y)$ Allow B1 for $4-2y$ OR $4x-2$ etc $4x$ and $-2y$ separated gets B1 $4x+-2y$ gets B1
8. (b) (i) $(y=) 72$	B1	Accept embedded answers such as $72/6 = 12$
8. (b) (ii) $7x = 28$ $x = 4$	B1 B1	Isolate the x term F.T. $ax = b$ ( $a \neq 1$ ) B0 for $28/7$ Accept embedded answers such as $7 \times 4 - 8 = 20$
8. (c) $5(n+4)$ OR $(n+4)5$ OR $5n+20$	B2	B1 for $5 \times n+4$ OR $n+4 \times 5$ . B0 for $5n+4$

6.

2015 June Unit 2 (non calculator) Foundation Tier	✓	Marks	Comments
4.(a) 72		B1	
4.(b) (i) $(x =) 20$		B1	Accept embedded answers
4.(b) (ii) $(y =) 7$		B1	Accept embedded answers
4.(c) $3p$		B1	
4.(d) $-2$		B1	

7.

6. (a) $x = 7$ (b) $x = 9$ (c) $5x = 35$ $x = 7$	B1 B1 B1 B1 4	Accept embedded answers throughout question  FT "their 35" $\div 5$ . If this leads to a whole number it must be correctly evaluated. Mark final answer.
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8.

2015 November UNIT 3 (calculator allowed) Foundation Tier	Mark	FINAL MARK SCHEME Comments
16. $8a - 2a = 34 - 7$ $6a = 27$ $a = 4.5$ or equivalent	B1 B1 B1  3	FT until 2 <sup>nd</sup> error.  Mark final answer. Accept improper fractions provided they are written in simplest form. Accept embedded answers.

9.

8. (a) 49  (b) $5y = 55$ $y = 11$  (c) (i) $x = 5$ $y = -1$  (ii) $(2 \times 5) + (3 \times -1)$	B1  B1 B1  B1 B1  B1 B1  7	Accept embedded answers in (a), (b) and (c)(i).  FT one error  ISW FT 'their x', i.e. $y = 4 -$ 'their x'  FT 'their x' and 'their y' for B1, and for B2 provided $y < 0$
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10.

2015 June UNIT 3 (calculator allowed) Foundation Tier	✓	Mark	Comments
7. $a = 10$ $b = 5$  $b \times b$ (area =) $25 \text{ (cm}^2\text{)}$	✓ ✓  ✓ ✓	B1 B1  M1 A1 4	FT 15 – ‘their $a$ ’  FT for M1 and A1, ‘their $b \times b$ ’ provided at least one B1 awarded.

11.

14.(a) $30 - x = 44 \div 2$ or $60 - 2x = 44$ $30 - x = 22$ or $-2x = 44 - 60$ or $60 - 44 = 2x$ or $-x = -8$ <b>or <math>16 = 2x</math></b>  $x = 8$	B1 B1  B1	FT until 2 <sup>nd</sup> error FT equivalent level of difficulty  <i>Accept an embedded answer for B3</i> <i>Note:</i> <i>Writing <math>2x = -16</math> or <math>-2x = 16</math> leading to <math>x = -8</math> is generally from 1 error.</i> <i>Sight of <math>2x = 44 - 60</math> is regarded as 1 error</i> <i><math>60 - x = 44</math> leading to <math>x = 16</math> is awarded B0, B1, B0 (as level of difficulty is eased)</i>
14. (b) $8a - 14c$	B2	B1 for any TWO correct terms from $12a - 6c - 4a - 8c$ OR B1 for $8a$ OR B1 for $-14c$
14. (c) 2, 3, 4, 5	B3	B1 for the 2, B1 for the 5 AND NO 6 or above, B1 for the 3 and 4 AND NO incorrect numbers, but allow 6 here. <b>SC1 for <math>5/3 \leq n &lt; 6</math> (not 18/3)</b>

12.

18.(a) $x/2 = 26 - 18$ OR $x + 18 \times 2 = 26 \times 2$ $x = 16$	<b>M1</b> <b>A1</b>	OR alternative full correct method Mark final answer . <i>Accept embedded answer, e.g. <math>16/2 + 18 = 26</math></i>
18. (b) $y^3 + 4y$	B2	B1 for a correct term. <b>Mark final answer for B2.</b>

13.

18. $3x - 6 = x + 2$ $3x - x = 2 + 6$ $x = 4$	B1 B1 B1 3	For expanding the bracket. FT until 2 <sup>nd</sup> error. Accept embedded answers
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14.

10. (a) $a/2 = \frac{1}{2} a$ $a^2 = a \times a$ $a + a = 2a$ $3a = a + 2a$ (b) $(a^3) = a \times a \times a$ or equivalent $(2(a + 3)) = 2a + 6$ or equivalent	B4  B1 B1 6	Award B1 for each correct pair
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15.

9. (a) $8x$ (b) $-2a + 9b$  (c) $-25$ (d) $6xy + 14x$  (e) $5a(2b - 5)$	B1 B2  B2 B2  B2  9	Must be in an expression, B1 for sight of either $-2a$ or $9b$ . Mark final answer. B1 for either $-40$ or $15$ Must be in an expression, B1 for sight of either $6xy$ or $14x$ B1 for $5a(\dots - 5)$ or $5a(2b - \dots)$ or correct partial factorisation
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16.

11		B4	B1 for each correct entry
Three times a number $c$	$3c$		
Add 3 to a number $c$ and then multiply this total by 6	$6(c + 3)$		
Three times a number $c$ and then add 6	$3c + 6$		
Add 3 to a number $c$ and then divide this total by 6	$\frac{c + 3}{6}$	4	

17.

7. $a = 4$ $b = 5$ $c = 3$ $d = 2$	B1 B1 B1 B1 4	CAO FT 9 – ‘their a’ FT [13 – ‘their a’] ÷ 3 FT 14 – ‘their a + b + c’
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18.

2015 June UNIT 3 (calculator allowed) Foundation Tier	✓	Mark	Comments
10.(a) $2x = 16$ $x = 8$		B1 B1 2	FT one error Accept embedded answer
10.(b) $42 = 4 \times 3 + 6C$ $6C = 30$ $C = 5$		B1 B1 B1 3	Correct substitution FT until second error. Accept embedded answer

19.

3. 14		B2 2	B1 for sight of 32 or (-) 18
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20.

7. (a) (i) (£) 6m	B1	Ignore £s. Allow $6 \times m$ or $m \times 6$ or $m6$
7. (a) (ii) $x - 4$ (kg)	B1	Ignore kg. Allow $xkg - 4kg$ , and $y = x - 4$
7. (b) $-2$	B2	B1 for $-14$ B0 if $x$ and/or $y$ still left in their answer, e.g. $-14x + 12y$
7. (c) $5x = 20$ $x = 4$	B1 B1	Isolating the $5x$ F.T. $ax = b$ ( $a \neq 1$ ) Accept embedded answers, e.g. $5 \times 4 - 3 = 17$
7. (d) $(n - 4)/6$ OR $\frac{n-4}{6}$	B2	B1 for $n - 4$ OR B1 for a linear expression in $n$ divided by 6 including $n - 4 \div 6$ , OR $n - 4 / 6$ but not $n - 4/6$ $n - 4 = -4n \div 6$ gets B1 for sight of $n - 4$ $-4n \div 6$ gets B1 for linear expression in $n$ divided by 6 Ignore $n =$ at the start and $=n$ at the end of their work.

S J H S

21.

2015 November Paper 1 (Non calculator) Foundation Tier	Marks	FINAL MARK SCHEME Comments	
3. (Hours worked =) $8 \times 45$ (minutes) OR $8 \times \frac{3}{4}$ ( <b>hours</b> ) = 360 (minutes) OR = 6 (hours)	M1 A1	Conversion to 'hours' not required at this stage.	Special cases SC1 for (£)305 (from $8 \times 30 + 65$ ) OR SC1 for (£)700 (from $8 \times £87.50$ ).
Charge = (£) $30 \times 6 + (\text{£})65$ = (£) 245	M1 A1		

22.

5. (Cost of trees =) $24 \times (\text{£})5$ = (£)120	✓ ✓	M1 A1	24 × 15 = 360 is M0A0 but allow F.T. of 360 for final M1A1.
(Time taken =) $24 \times \frac{1}{4}$ = 6(hours)	✓ ✓	A1 M1	
(Total bill =) $6 \times (\text{£})10 + (\text{£})120$ = (£)180	✓ ✓	M1 A1	F.T. 'their time taken' BUT not 15 or 0.25 or 0.15 or 24. F.T 'their cost of trees' BUT NOT (£)5 or (£)24.

23.

7. (a) $S = 0.6 \times 3.8 \times 32.5$ = 74.1	M1 A1	
(b) Marks = $100.8 \div (4.2 \times 0.6)$ = 40	M1 A1 4	

24.

10. (a) Plotting at least two correct points Correct straight line through points	P1 L1	FT their graph, within 1 small square Accept use of graph or $200 \div 2.2$ or other valid method. FT their line
(b) Approximately 110 (lbs) (c) Clear method shown	B1 M1	
Approximately 91 (kg). Accept answers in range 85 - 95	A1	Award SC1 for unsupported answers in the ranges 80 – 84.9 or 95.1- 100 Incorrect answers from a correct method but still in range award M1 A0
	5	

25.

7. (a) Plotting all three points correctly. Line drawn through their points.	P2 L1	P1 for 2 correct plots. A correct line implies P2. F.T. their <b>three</b> plots. Allow curve or 'dog leg' only if P2 not gained.
(b) 32.	B1	
(c) 18(°C) AND a clear reason given.	B1	Some <b>correct</b> use of their graph required. For an accurate graph (or no graph) 18°C needs to be equated to 64°F to 65°F OR 60°F needs to be equated to 15°C to 16°C. Do not accept 'its higher on the line' unless their line has been clearly marked at 60°F and 18°C.

26.

Ribbon marking for 11(a) and 11(b).			
11. (a) Uniform scale on vertical axis.		B1	<i>P0,L0 if no attempt at uniform scaling.</i> $\pm \frac{1}{2}$ a small square'. The origin may be one of the points. Correct line implies P1L1.
Plotting at least two correct points.		P1	
Correct line drawn.		L1	
(b) (10 stone =) 140 (lbs) Any correct strategy, e.g. 14 times their value at 10 lbs. A correct answer <u>for their line</u> .		B1 M1 A1	For sight of 140. It may be implied in further work. Accept 10 times their value at 14lbs, if line drawn extends that far. F.T. their line, OR B1, M1, A1 for answers between 63(kg) and 64(kg) inclusive.

27.	14. (a) $7n - 1$ (b) $-6n + 32$	B2	B1 for $7n \pm \dots$
		B2	B1 for $-6n \pm \dots$
		4	

28.	15. (a) $10n - 7$ (b) $-10n + 60$ or equivalent	B2	B1 for sight of $10n$
		B2	For B2 mark final answer. B1 for sight of $-10n$
		4	

29.	8. (a) Correct diagram (b) 14, 18, 22 (c) Number of seats = Number of tables $(t) \times 4 + 2$  (d) 30 (e) $(82 - 2)/4$  =20	B1	Award B1 for two correct entries Accept n for number of tables Award B1 for $\times 4 + 2$ Do not accept 'add four' FT for equivalent level of difficulty FT for equivalent level of difficulty Or equivalent method
		B2	
		B2	
		B1	
		M1	
		A1	
8			

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