

Foundation Tier

25 Starter Prompts

Students should be challenged to produce their own questions and answers using the information given

Prompt 1

Part of a train timetable is shown.

Liverpool	1618		1648	
Manchester	1725		1757	
Huddersfield	1812	1816	1842	1845
Ravensthorpe		1826		1853
Dewsbury	1822	1831	1852	1858

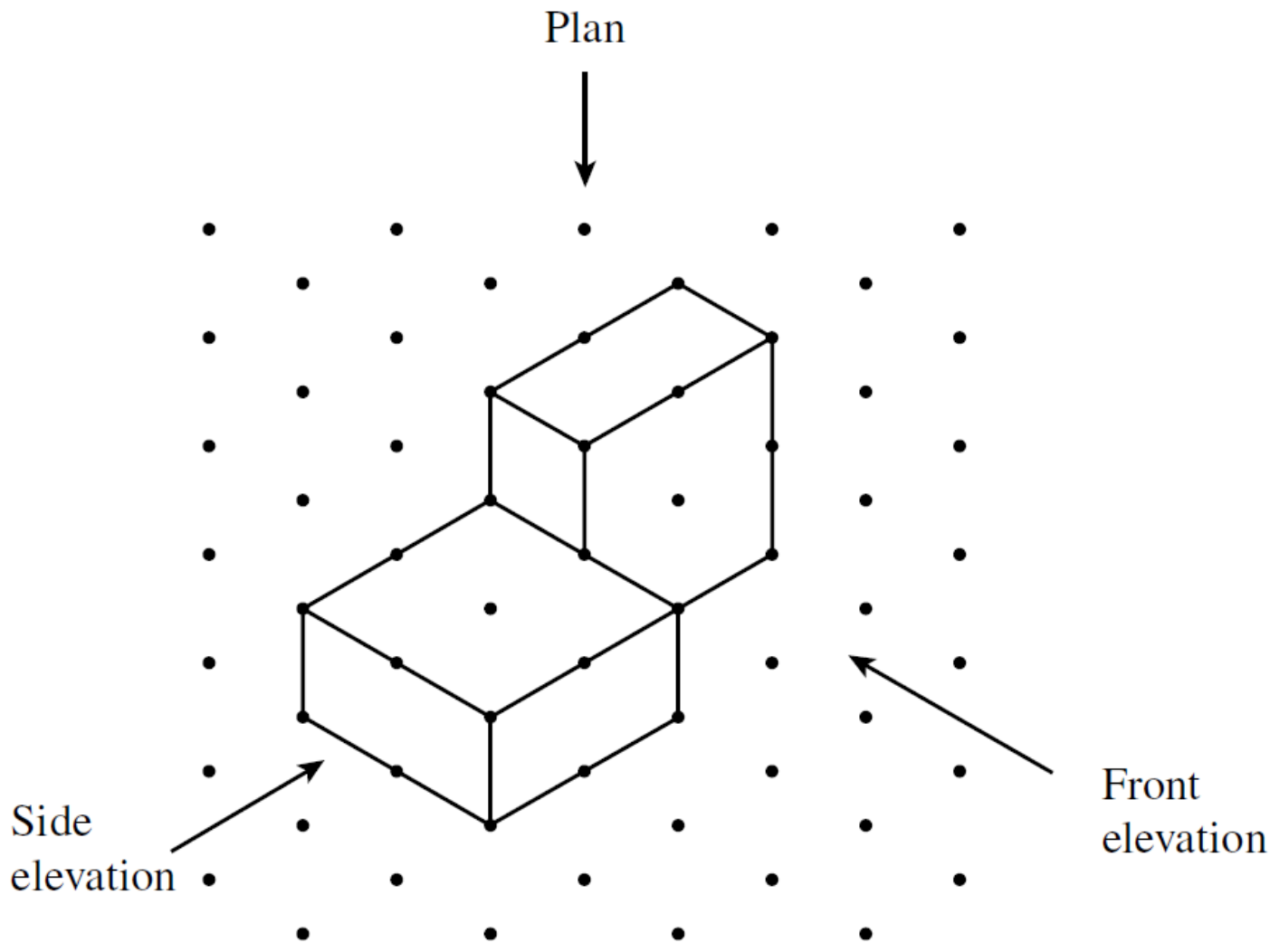
Prompt 2



The time for cooking a turkey is given by the formula

$$\text{cooking time in minutes} = \text{weight in kilograms} \times 40 + 25$$

Prompt 3



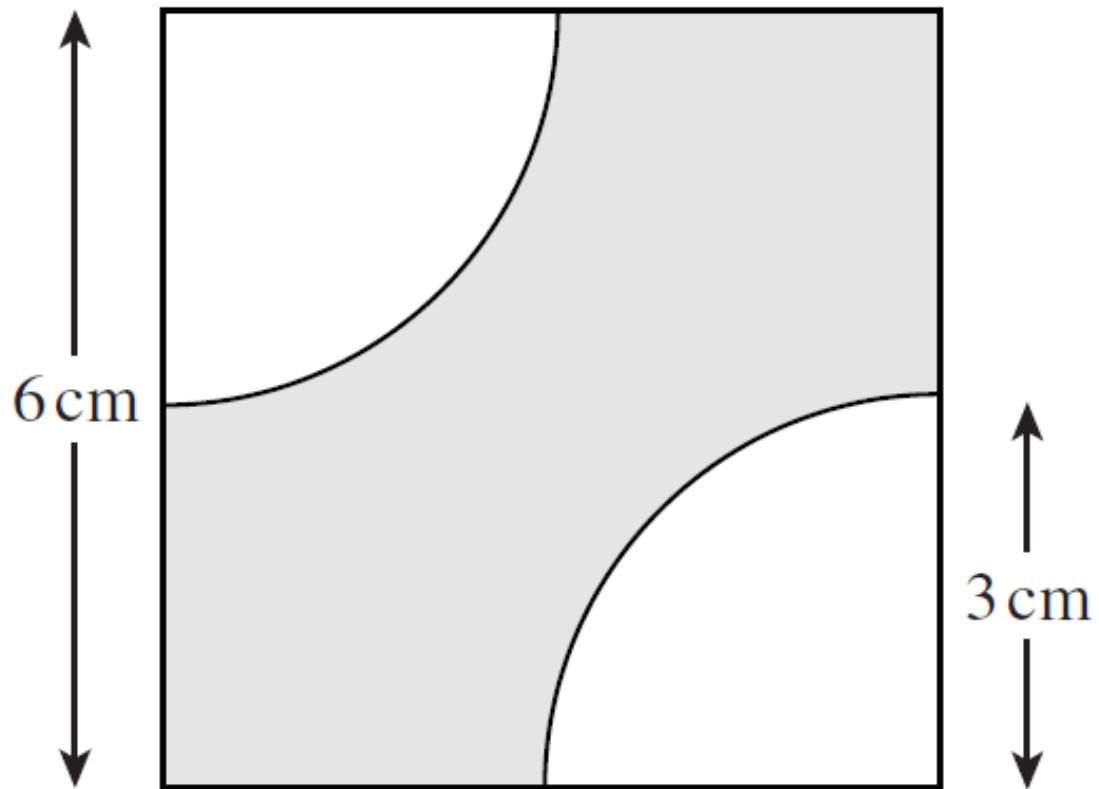
Prompt 4

x	0	1	2	3	4	5
y	6		10		14	16

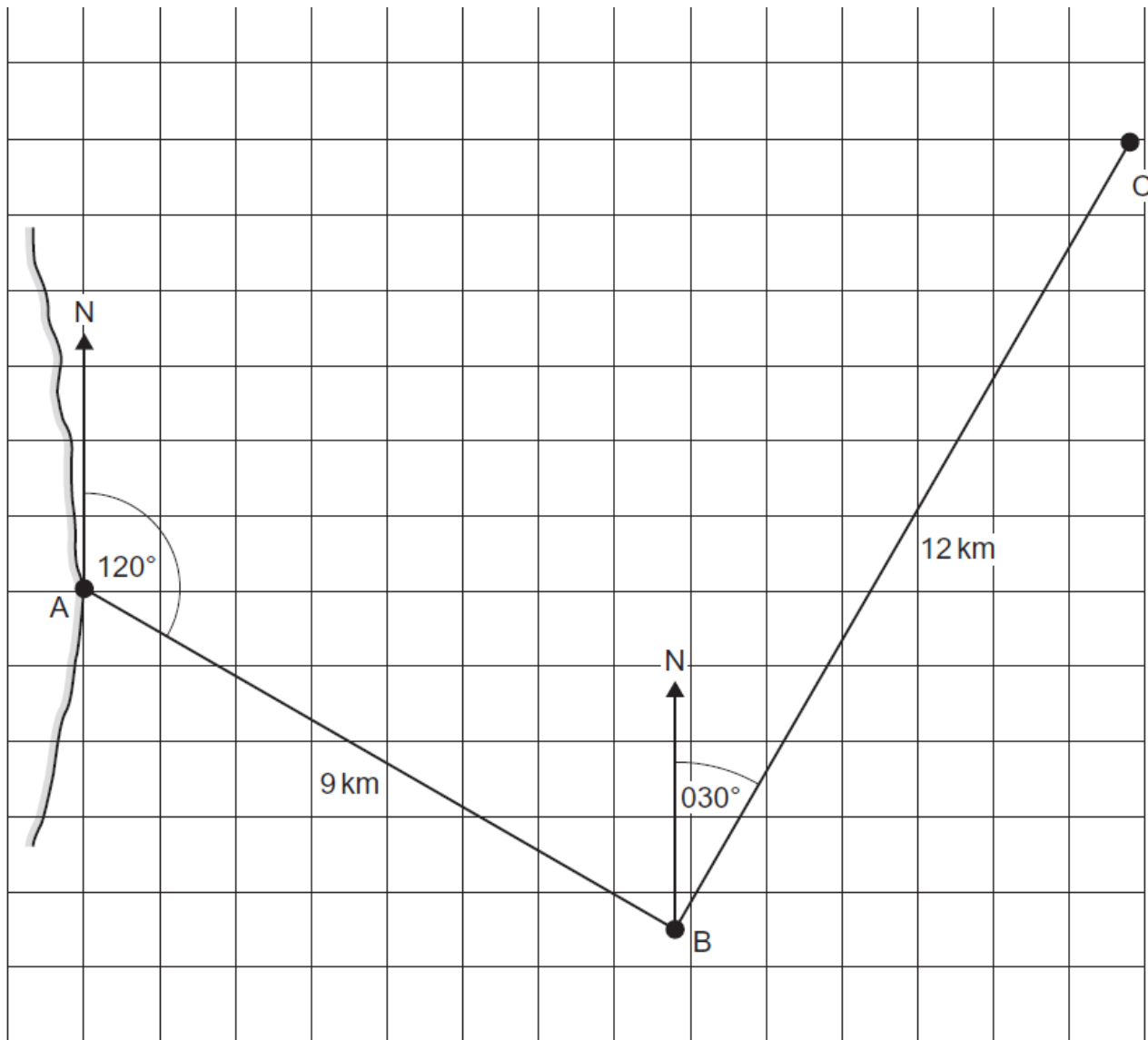
Prompt 5

Country	Birth rate (number of births per 1000 people)	Life expectancy (years)
Chile	15	77
Egypt	22	72
Gambia	39	59
India	22	69
Japan	8	82
Nepal	30	64
United Kingdom	11	79

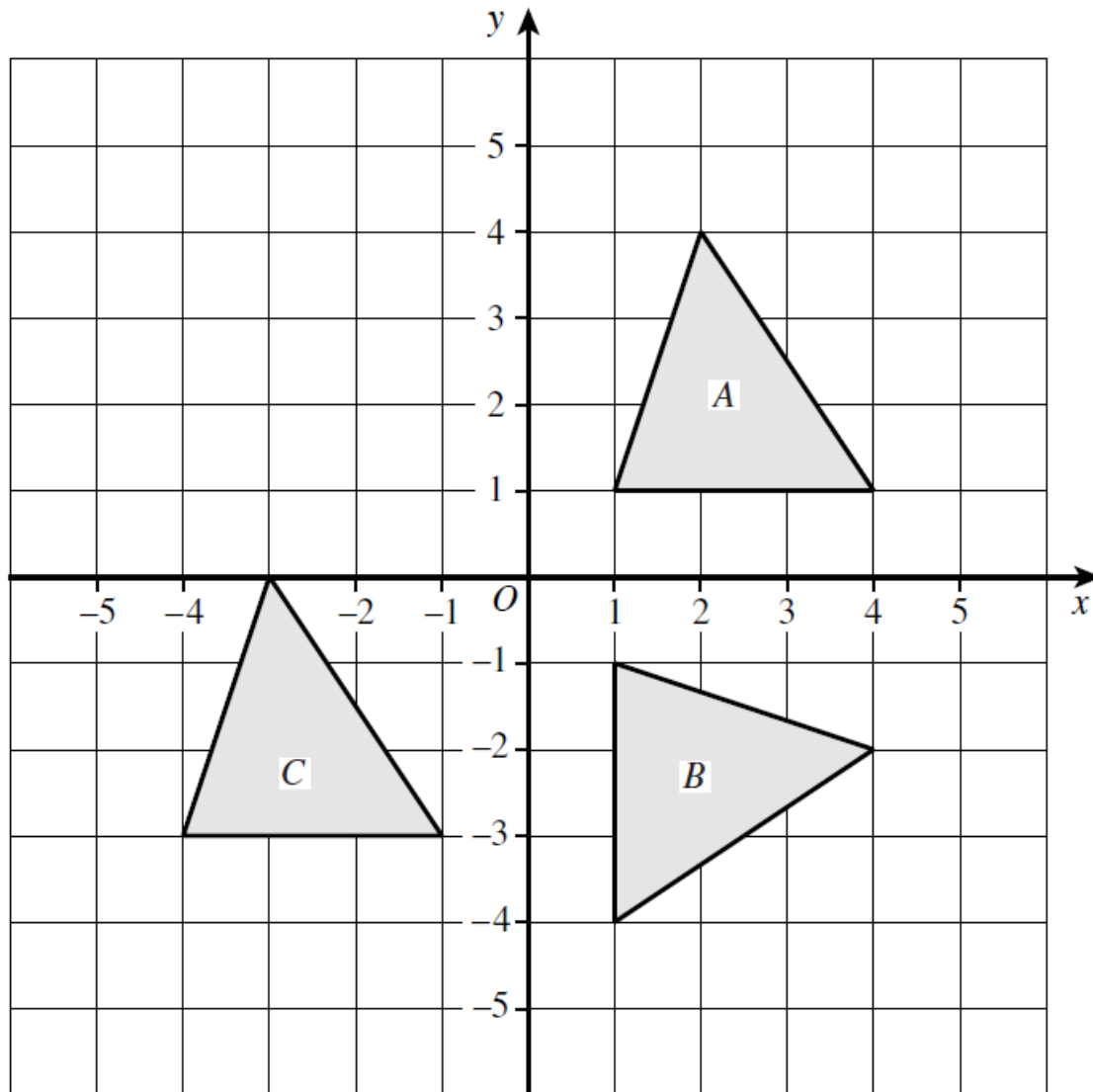
Prompt 6



Prompt 7



Prompt 8



Prompt 9

An online digital photo printing site has the following charges.

Number of prints	Cost per print (p)	Postage
0 – 50	12p	£2 for up to 100 prints
51 – 100	10p	
101 – 150	8p	£3 for more than 100 prints
More than 150	6p	

Here is some information about class 7J.

There are 30 pupils altogether.

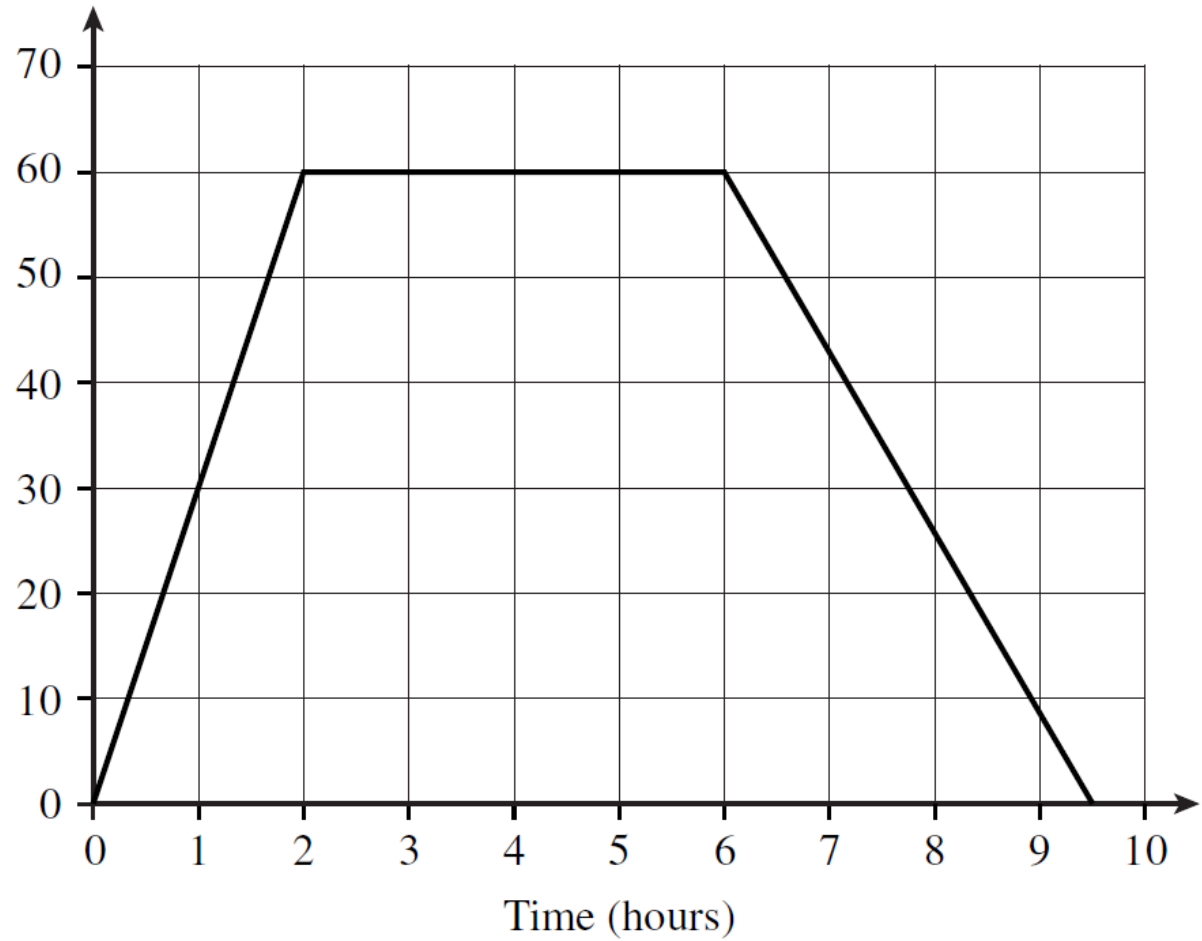
There are 2 more girls than boys.

A quarter of the girls are left-handed.

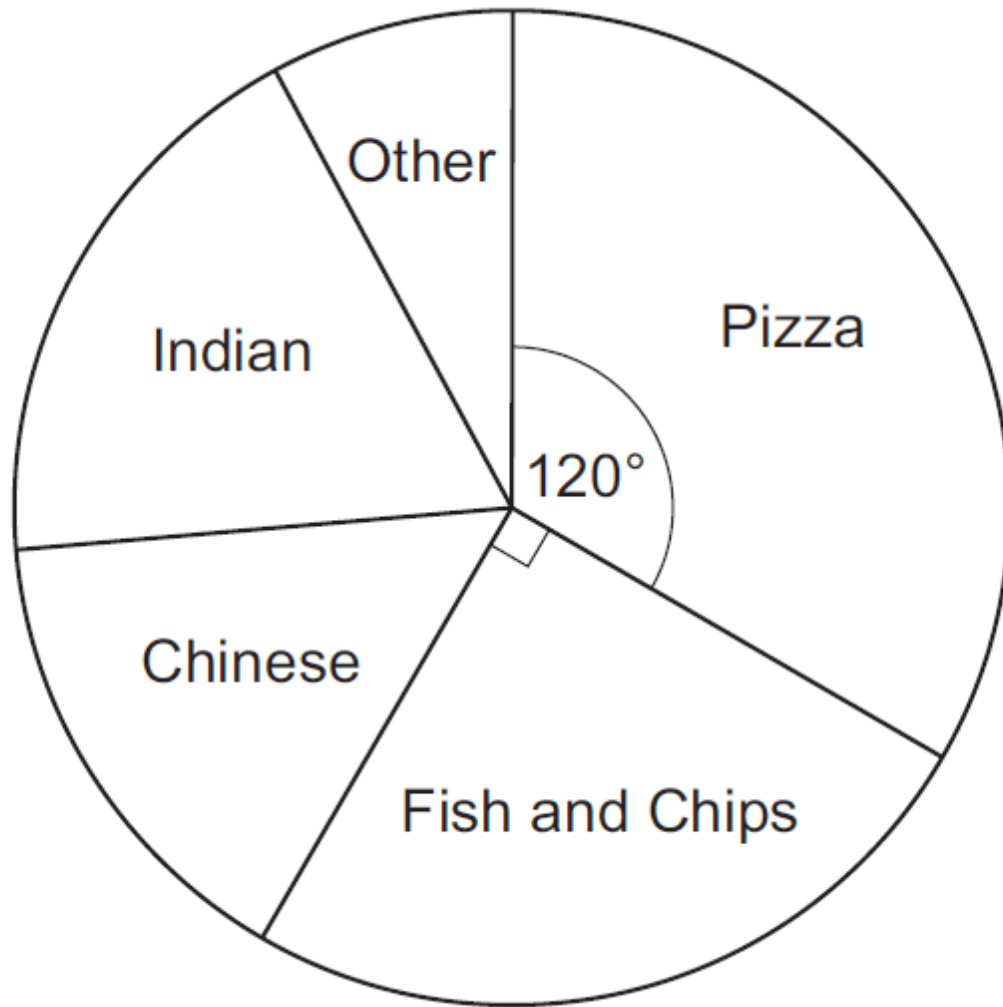
There are 7 left-handed pupils altogether.

Prompt 11

Distance from
London (miles)



Prompt 12



Prompt 13

In a sale DVDs are sold at one price and CDs at a different price.
Ryan buys two DVDs and one CD at a total cost of £34
Jade buys two DVDs and two CDs at a total cost of £44

Olivia goes on holiday to America.
The exchange rate is £1 = \$1.87 (dollars)

Prompt 15



Complete the table of values for $y = x^2 - 4x + 2$

x	-1	0	1	2	3	4	5
y		2	-1		-1	2	7

Prompt 16

The table shows the year and gender of a sample of 50 pupils.

	Year Group					Total
	Yr7	Yr8	Yr9	Yr10	Yr11	
Number of boys	3	5	6	2	6	22
Number of girls	4	5	7	6	6	28

Prompt 17

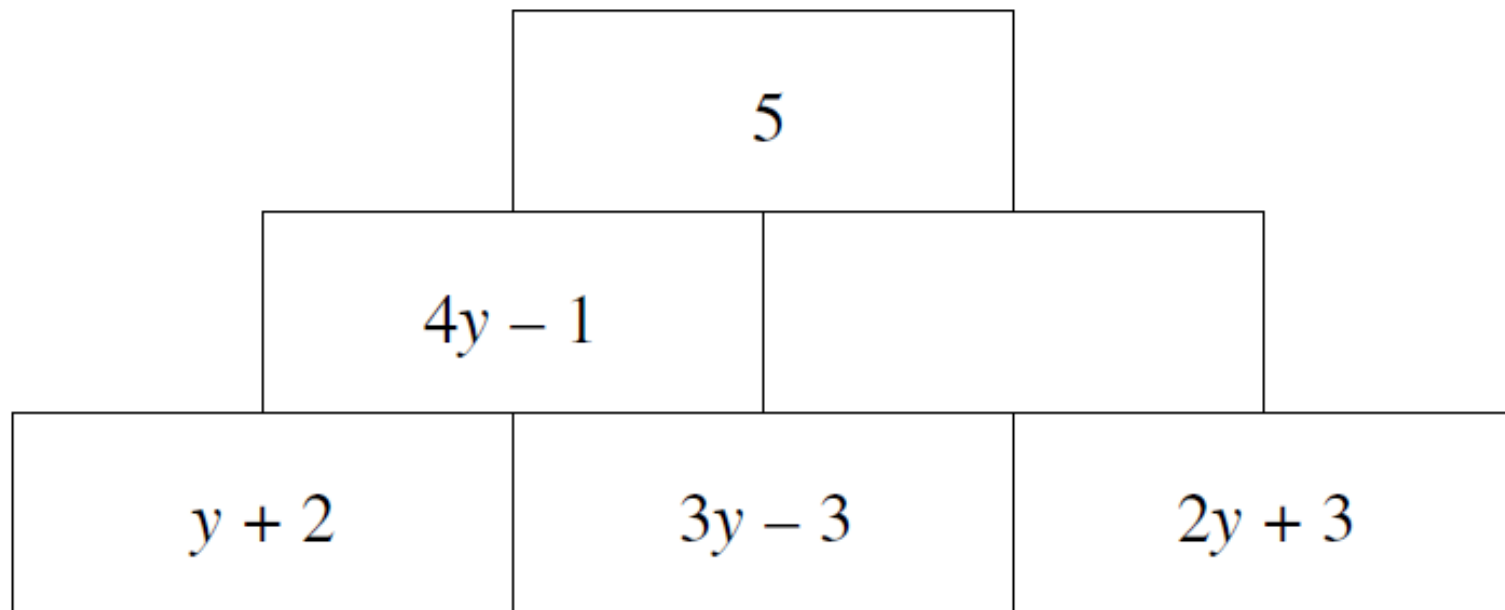
+	1	2	3	4	5	6
1	2	3	4			
2				6	7	8
3						
4						
5	6	7	8			
6				10	11	12

Prompt 18

£1 is worth 1.82 American dollars

£1 is worth 194 Japanese yen

Prompt 19



Prompt 20

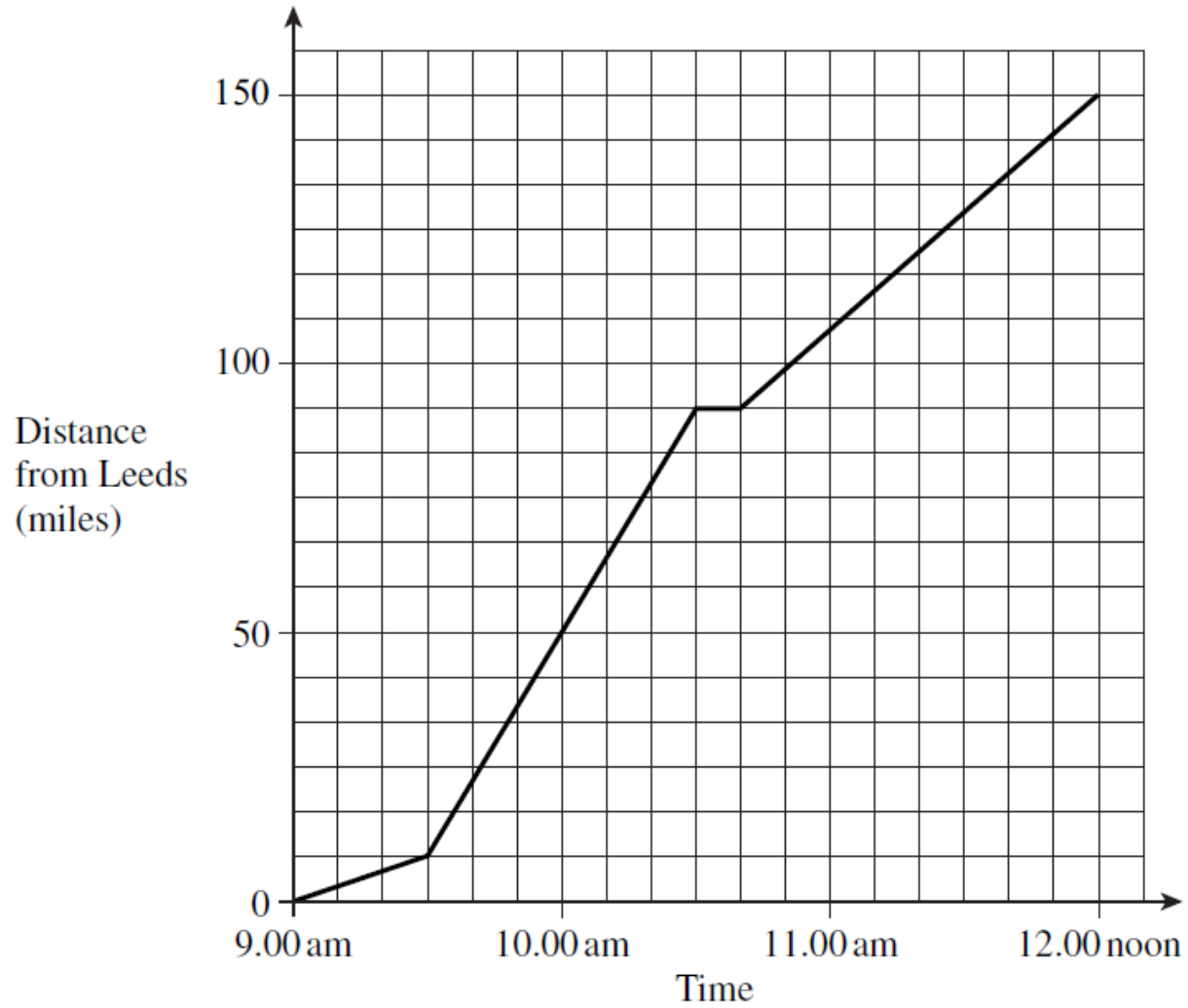
Katie has a weekend job.

Her basic rate of pay is £4.80 per hour for the first 10 hours of work.

Any extra hours are paid at the overtime rate.

The overtime rate is one and a half times the basic rate.

Prompt 21



Prompt 22

Distance, d , km	Frequency
$0 < d \leq 4$	11
$4 < d \leq 8$	23
$8 < d \leq 12$	36
$12 < d \leq 16$	20
$16 < d \leq 20$	10

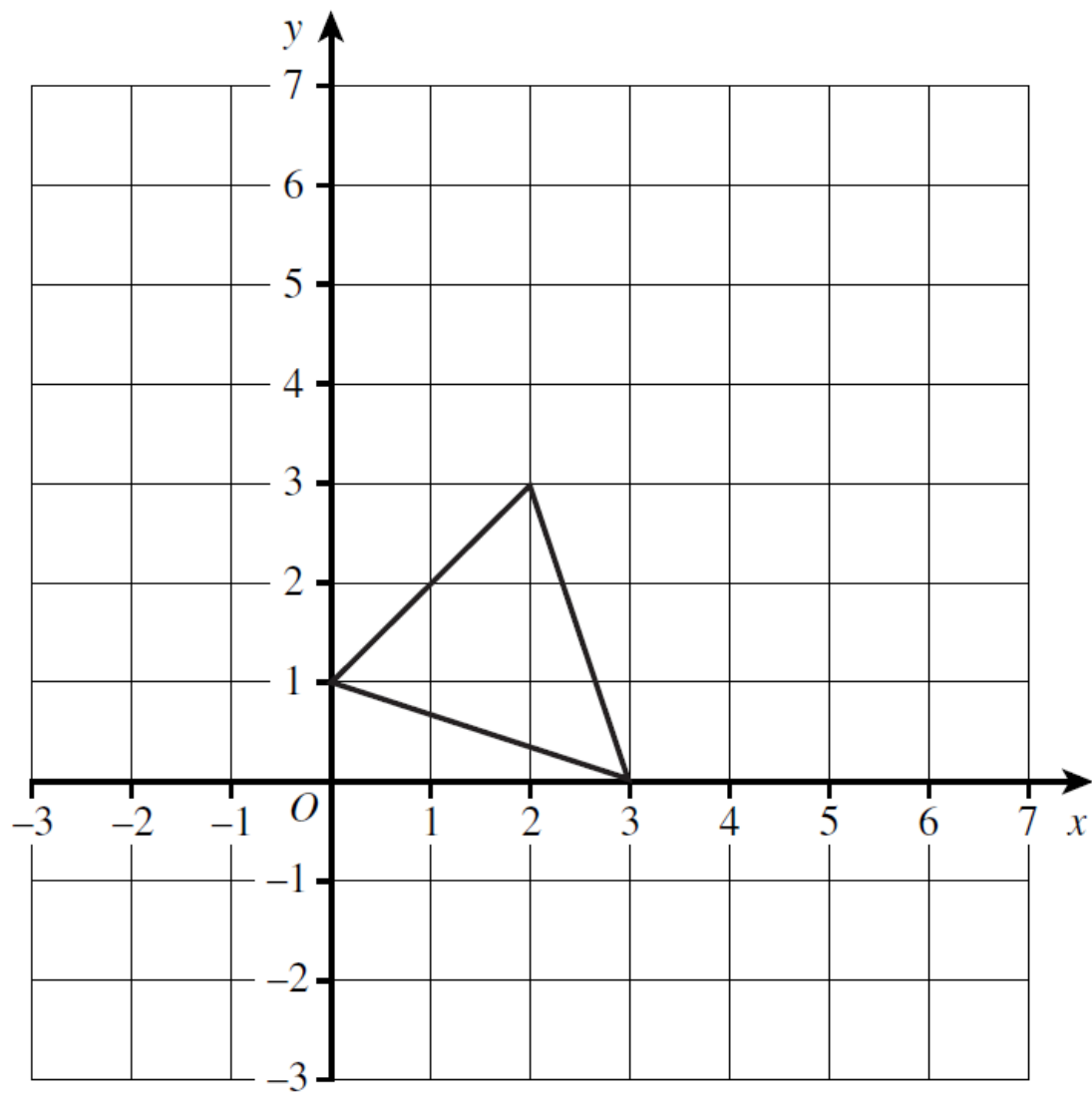
Prompt 23

Key 5 | 9 represents 59 seconds

1	0	2	4	4	6	7	9		
2	1	1	1	3	3	7	7	8	8
3	3	4	4	8	9				
4	2	7							
5	9								

Time, t seconds	Frequency
$10 \leq t < 20$	3
$20 \leq t < 30$	6
$30 \leq t < 40$	7
$40 \leq t < 50$	4

Prompt 24



Prompt 25

