



Eleven Plus  
Revision Books

## Longer Maths and Data Worksheet M

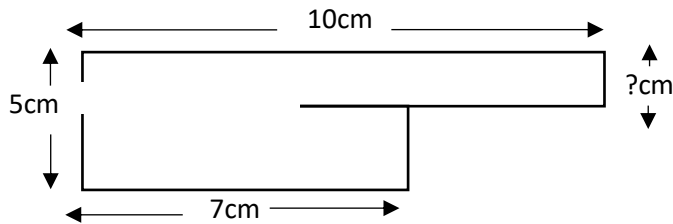
Below is a timetable giving details of morning trains from Newcastle to Leeds.

Newcastle	05:25	06:03	07:29	09:10
Chester Le Street	...	06:14	...	...
Durham	05:38	06:20	07:41	09:22
Darlington	05:56	06:37	08:00	09:38
Northallerton	06:08	06:49	...	09:51
York	06:29	07:12	08:28	10:14
Leeds	06:55	07:38	08:54	10:40

1. How many minutes does the fastest train journey from Durham to Darlington take?
2. If you caught the 06:14 from Chester Le Street, how many minutes later would you be at York?
3. How many minutes does the slowest train take to travel from Newcastle to Darlington?
4. If you arrived at Northallerton station 20 minutes late for the 06:49 departure, how many minutes would you have to wait for the next train?
5. How many minutes does the fastest train take from Newcastle to Leeds?
6. Aarushi is making pancakes. The recipe says to use 3 tablespoons of sugar to every 4 tablespoons of flour. Aarushi uses 42 tablespoons in total. How many tablespoons of flour did she use?
7. A train from Manchester to Newcastle leaves Manchester with 170 passengers. At Leeds 95 passengers got off and 56 got on. At York 43 passengers got off and 26 got on. How many passengers are there on the train now?
8. The area of the shape below is  $47\text{cm}^2$ . What is the value of  $?$  and the perimeter of the shape.



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Not drawn to scale

## Answers

Below is a timetable giving details of morning trains from Newcastle to Leeds.

Newcastle	05:25	06:03	07:29	09:10
Chester Le Street	...	06:14	...	...
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Leeds	06:55	07:38	08:54	10:40

**Remember for time “use a number line”**

1. How many minutes does the fastest train journey from Durham to Darlington take?

**09.22 to 09.38 = 16 minutes**

2. If you caught the 06:14 from Chester Le Street, how many minutes later would you be at York?

**06:14 to 07:12 = 58 minutes**

3. How many minutes does the slowest train take to travel from Newcastle to Darlington?

**06:03 to 06:37 = 34 minutes**

4. If you arrived at Northallerton station 20 minutes late for the 06:49 departure, how many minutes would you have to wait for the next train?

**Arrive at station 06:49 + 20 mins = 07:09 next train is 09:51 = 162 min**



5. How many minutes does the fastest train take from Newcastle to Leeds?

07:29 to 08:54 = **85 minutes**

6. Aarushi is making pancakes. The recipe says to use 3 tablespoons of sugar to every 4 tablespoons of flour. Aarushi uses 42 tablespoons in total. How many tablespoons of flour did she use?

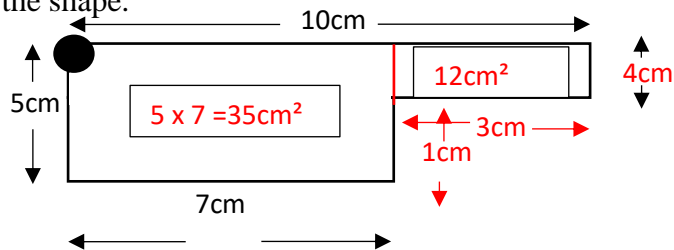
Ratio Sugar 3:4 Flour – 7 parts to ratio,  $42 \div 7$  parts = 6 sets of ratio

**18:24 tablespoons of flour**

7. A train from Manchester to Newcastle leaves Manchester with 170 passengers. At Leeds 95 passengers got off and 56 got on. At York 43 passengers got off and 26 got on. How many passengers are there on the train now?

$170 - 95 + 56 - 43 + 26 =$  **114 people**

8. The area of the shape below is  $47\text{cm}^2$ . What is the value of ? and the perimeter of the shape.



Add missing values where possible. Split into two rectangles. Large rectangle is  $35\text{cm}^2$ , so small rectangle must be  $12\text{cm}^2$ . **So ? must equal 4cm.**

**Perimeter** :  $10 + 4 + 3 + 1 + 7 + 5 =$  **30cm**