


## Maths (Time) – Problem Solving/Reasoning Sentence Starters

### Monday

Harry takes part in a sponsored silence.

He says,



If I am silent for five hours at 10p per minute, I will raise 50 pounds.

Do you agree with Harry?  
Explain why.

I agree/disagree with Harry because...

The calculations I did were...

These calculations show that...

The order the children finished in was...

The difference between the fastest and slowest time was...

I worked this out by...

Five friends run a race.  
Their times are shown in the table.

Name	Time
Megan	1 minute 18 seconds
Holly	102 seconds
Charlie	100 seconds
Ruby	1 minute 45 seconds
Joses	95 seconds


Can you work out the order the children finished in?

What was the difference between the fastest time and the slowest time?

### Tuesday


Raj, Lois and Seb describe when their birthdays are.

Raj says,




My birthday is in 96 hours.

Lois says,



My birthday is in exactly 2 months.

Seb says,



My birthday is in 35 days.

Use the clues to work out when their birthdays are if today is the 8<sup>th</sup> June.

Work out when your birthday is from the 8<sup>th</sup> June.

Sally is 7 years and 2 months old.  
Macey is 85 months old.  
Who is the oldest?  
Explain your answer.

If today's date is the 8<sup>th</sup> June, \_\_\_\_\_ birthday must be on \_\_\_\_\_.

I worked this out by...

From the 8<sup>th</sup> June, my birthday is in \_\_\_\_\_ months and \_\_\_\_\_ days.

If Sally is 7 years and 2 months old, she is \_\_\_\_\_ months old. I worked this out by... Therefore, \_\_\_\_\_ is the oldest.

### Wednesday

Akeela converts the analogue time to digital format.  
Here is her answer.



22 : 02

Explain what Akeela has done wrong.  
What should the digital time be?

Jack arrives at the train station at the time shown.

Which trains could he catch?



Destination	Departs
New Pudsey	09 : 25 AM
Bramley	09 : 42 AM
Leeds	10 : 03 AM
York	07 : 10 AM

How long will Jack have to wait for each train?

The mistake Akeela has made is...

What Akeela should have done is...

I know this because when you write the digital time, you must...


Jack could catch the trains to...

Jack will have to wait \_\_\_\_\_ minutes for the train to \_\_\_\_\_.

I worked this out by...

## Thursday

Seb says,




To change any time after midday from 12 hours to 24 hours digital time just add 12 to the minutes.

True or false? Explain your thinking.


Three children are meeting in the park.

Beth says,




We are meeting at 14:10

Tim says,



We are meeting at 02:10 pm

Faye says,



We are meeting at ten to two.

Will all the children meet at the same time?  
Convince me.

Seb's statement is true/false because...

When changing any time after midday from 12 hours digital time to 24 hours digital time, you must...

The children will/won't meet at the same time.

These times are the same/different because...

I know that when you change a time after midday from 12 hours digital time to 24 hours digital time. This means that these times are the same/different because...