

Tuesday 5th May

Maths Y4

Good morning Y4s

If you didn't finish the **Mastery** questions yesterday, please continue them today. After that, have a go at the **Reasoning** and **Problem Solving** questions. If you finish those too, you can go to **Sumdog** and complete the tasks that I have set for you there.

Have fun,

Miss Bamber.

If pupils have mastered this objective they will be able to complete these activities independently:

Training Routine

Hannah is a 800 metres runner. During a typical week she will have run 5 races of 800 metres and she will have trained by running 5 Km per day for 3 days and 10Km per day for 2 days.

How many Km will Hannah have run in the week?

Climbing Stairs

When Jamila has climbed 8 stairs he is 2 metres off the ground.

Each step measures the same.

How high is each step?

How many steps will he need to climb before he is 5 metres off the ground?

Toy Box

Joseph puts all his wooden bricks into his toy box.

Each brick weighs the same.

The toy box weighs 2.5Kg when it is empty.

After he has placed 10 bricks in the toy box, the box weighs 7.5Kg.

How much does each brick weigh?

Hannah's Training Runs

Below is a table to show how fast Hannah has run 800 metres during her training.

Day	Time
Sunday	2 min 23 secs
Monday	2 min 35 secs
Tuesday	2 min 55 secs
Wednesday	3 min 01 secs
Thursday	2 min 34 secs
Friday	2min 21 secs
Saturday	2 min 11 secs

Which day did she run the fastest?

How many seconds did she take to run the 800 metres on Friday?

What is the difference, in seconds, between her time during her fastest run and her slowest run?

Give a reason as to why Hannah had a very slow run on Wednesday.

Kilometres

Reasoning and Problem Solving

James and Sita do a sponsored walk for charity.

They walk 15km altogether.



James walks double the amount that Sita walks.

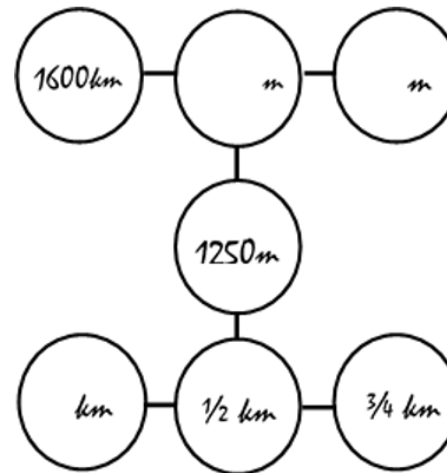
How far does Sita walk?

They each raise £1 for every 500m they walk.

How much money do they each make?

James _____ Sita _____

Complete the missing measurements so that each line of three gives a total distance of 2km.



Hours, Minutes & Seconds

Reasoning and Problem Solving

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.

Ria says,



To convert hours to minutes, I multiply the number of hours by 60

Is she correct? Can you explain why?

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?

Raiza got into the pool at 2:26 pm. She swam until 3 o'clock. How long did she swim?

Dev leaves school at 15.25. He arrives home at ten past four pm. How many minutes did it take Dev to walk home?

Kilometres

Reasoning and Problem Solving

James and Sita do a sponsored walk for charity. They walk 15km altogether.



James walks double the amount that Sita walks.

How far does Sita walk?

They each raise £1 for every 500m they walk.

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James _____ Sita _____

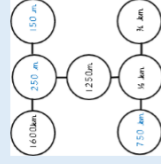
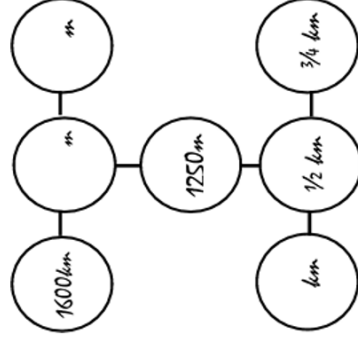
James walks 10km

Sita walks 5km

James raises £20

Sita raises £10

Complete the missing measurements so that each line of three gives a total distance of 2km.



Hours, Minutes & Seconds

Reasoning and Problem Solving

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 don't agree with Harry. There are 60 minutes in an hour so $60 \times 10p = 600p$ or £6
 $£6 \times 5 = £30$

Ria says,



To convert hours to minutes, I multiply the number of hours by 60

Is she correct? Can you explain why?

Ria is correct. For example
 $1 \text{ hour} = 60 \text{ minutes}$
 $1 \times 60 = 60$
 $2 \text{ hours} = 120 \text{ minutes}$
 $2 \times 60 = 120$

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
Josie	95 seconds

Can you work out the order the children finished in?

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

First – Megan
Second – Josie
Third – Charlie
Fourth – Holly
Fifth – Ruby

Fastest time 78 seconds, slowest time 105 seconds.
 $105 - 78 = 27$ seconds

