MATHS Choose Bronze or Gold questions for each question.

Question 1
Order the following times for 100m sprints

Bronze

10.5s, 9.7s, 10.3s, 9.8s, 11.1s, 10.6s, 10.8s, 10.1s

Gold

10.51s, 9.86s, 10.05s, 11.55s, 11.1s, 10.65s, 10.15s, 10.56s

s means seconds

Question 2
Order the follow distances from the shot put

Bronze

16.5m, 15.6m, 17.8m, 16.6m, 17.2m, 18.6m, 18.2m, 18m, 17.8m

Gold

15.65m, 16.56m, 17.55m, 16.25m, 16.5m, 15.62m, 16.86m, 18.66m, 17.68m

m means metres

Question 3
The Olympic Track is 400m in length.

How many laps will it take to run the following:

Bronze

800 metres and the 400 metres

Silver

1500 metres, 800 metres, 200 metres and 100 metres

Gold

4000 metres, 1500 metres, 2 x 800 metres and the 200 metres

Question 4 (If you have a ruler or tape measure you can do this, otherwise use number of pencils/ teddies tall- anything you have. You can mark an outside wall with chalk , if you have any. Otherwise try sticky tape and stick it to the wall as you jump up- check this OK first.)

Work out:

Bronze

The difference between your height and how high you can jump

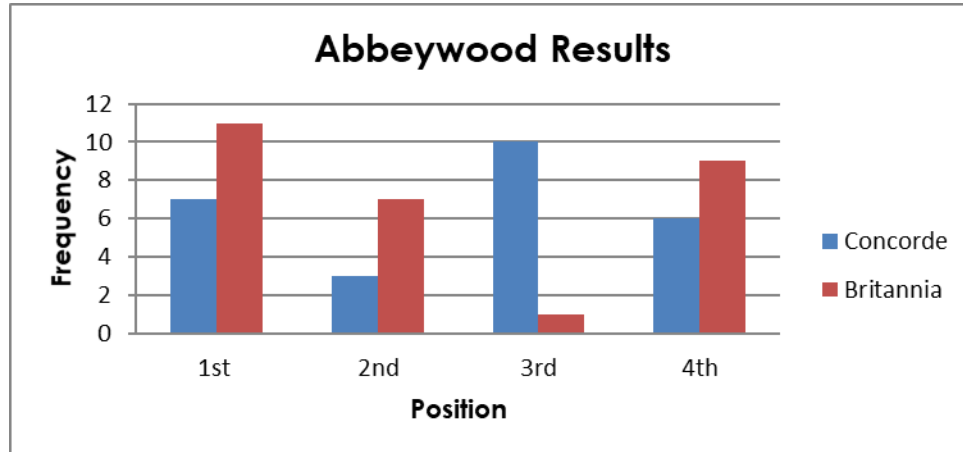 (Vertical Jump World Record is 117cm)

Silver

Bronze plus the **average** Jump height of your team (average= add up the heights and divide by the number of people you measured)

Gold

Bronze, Silver and is there a connection between the group's height and how high they can jump?

Question 5

Bronze

How many people came first from Concorde?
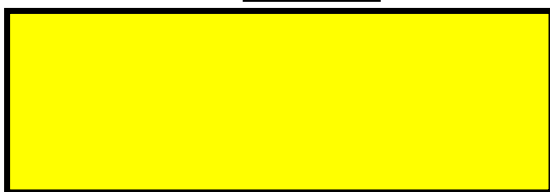How many people came first from Britannia?

Silver

How many people in total came 1st, 2nd, 3rd or 4th?

Gold

 Overall, who did better - Concorde or Britannia? Justify your answer

Question 6

9m

3m

Bronze

Calculate the area of the long jump sand pit.

Silver

The depth of the pit is 50cm. Calculate the volume of sand in the pit.

Gold

The school need to purchase sand for the pit. If sand costs £81.95 per cubic metre . Calculate the cost of the sand to the nearest pound.

Answers on Thursday at the end of the day!