

The London Marathon

Name _____ Date _____

Information and maps sourced from:
<https://www.tcslondonmarathon.com/>



Your teacher will suggest which pages to work on.

	Page	Question number	Maths topics	Marks optional
Contents	1		Contents and student record sheet. How to complete this workbook.	
Information	2		Two texts about the London Marathon.	
Entry 1-2	3	1	Dates and calendars.	5
		2	Counting. Using lists and tables. Number patterns.	3
	4	3	Time.	8
Entry 3	5	4	Compass points and direction.	5
Level 1	6	5	Calculating with and converting units of time.	7
Level 1	7	6	Bearings.	6
Level 1-2	8	7	Ratios. Converting between metric and imperial units.	6
				40

How to complete this work book



Write your answer where you see the pencil.

For *most* questions you get 1 mark for a correct answer.

You also get marks for showing your working out (even if your final answer is wrong), using units of measure, and completing diagrams correctly.



Where you see this notebook, you must show how you get your answers.

You will get extra marks for showing your working.

Your working can be calculations, diagrams or pictures.

The London Marathon

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Functional Maths: Entry Levels 2-3



Text A

The London Marathon is on Oct 2.
All participants must collect their Event Packs from
The London Marathon Running Show

ExCeL London
1 Western Gateway
Royal Victoria Dock
London E16 1XL

London Marathon Running Show – opening times

10:00-20:00	Wednesday 28 September
10:00-20:00	Thursday 29 September
10:00-20:00	Friday 30 September
08:30-17:30	Saturday 1 October



Text B

Drinks Station locations	
Mineral Water in recyclable bottles	Sport drink in compostable cups
Mile 3	
Mile 4	
Mile 6	
Mile 8	
	Mile 9
Mile 10	
Mile 12	
Mile 14	
	Mile 15
Mile 16	
Mile 18	
Mile 20	
	Mile 21
Mile 22	
	Mile 23
Mile 24	



The London Marathon

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Functional Maths: Entry Levels 1-2

Mattie is taking part in the London Marathon.

1


- a) Some dates are missing in Mattie's calendar. Write in the missing numbers.

(E1.1, E1.7, 1 mark)

October						
Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	4	5	6	7
8	9	10	11			
				19	20	21
22	23	24	25	26	27	28
29	30	31				

- b) The London Marathon is on October 2nd. Tick this day on the calendar.

What day of the week is this?

 _____

Write the full date.

 _____

(E1.7, E2.13. 2 marks)

- c) What day of the week is 3 November?

 _____

Write the full date of the day before 1st October.

 _____

(E1.7, E2.13. 2 marks)

2 You need Text B to answer this section.

- a) How many **mineral water** stations are there?

 _____

- b) What type of drink station will Mattie reach after 15 miles?

 _____

- c) What do you notice about all the mineral water stations except the first one?



(E1.2, E1.11, E2.3, E2.22. 3 marks)

The London Marathon

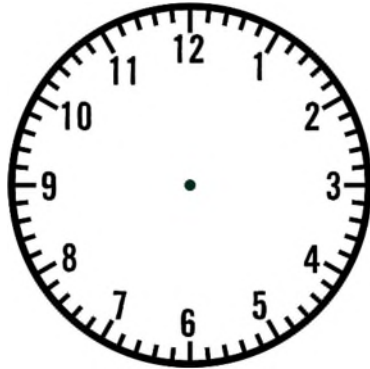
Name _____ Date _____

Functional Maths: Entry Levels 1-2

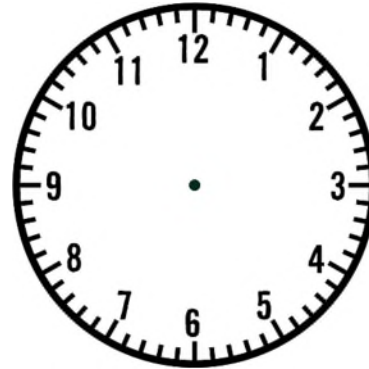
3 You need Text A to answer this section.

- a) Complete the clocks below.
On **Saturday**, the Running Show

opens at:




closes at:




(E1.6, E1.11, E2.13, E2.22. 2 marks)

- b) How many days is the Marathon Running Show open?

 _____

Is the Running Show open after the marathon finishes?

 _____


(E1.2, E1.7, E1.11. 2 marks)

- c) On Friday, is the Running Show open at this time in the evening?

 _____



(E1.6, E2.13. 1 mark)

- d) Calculate the total number of hours the running show is open.  _____



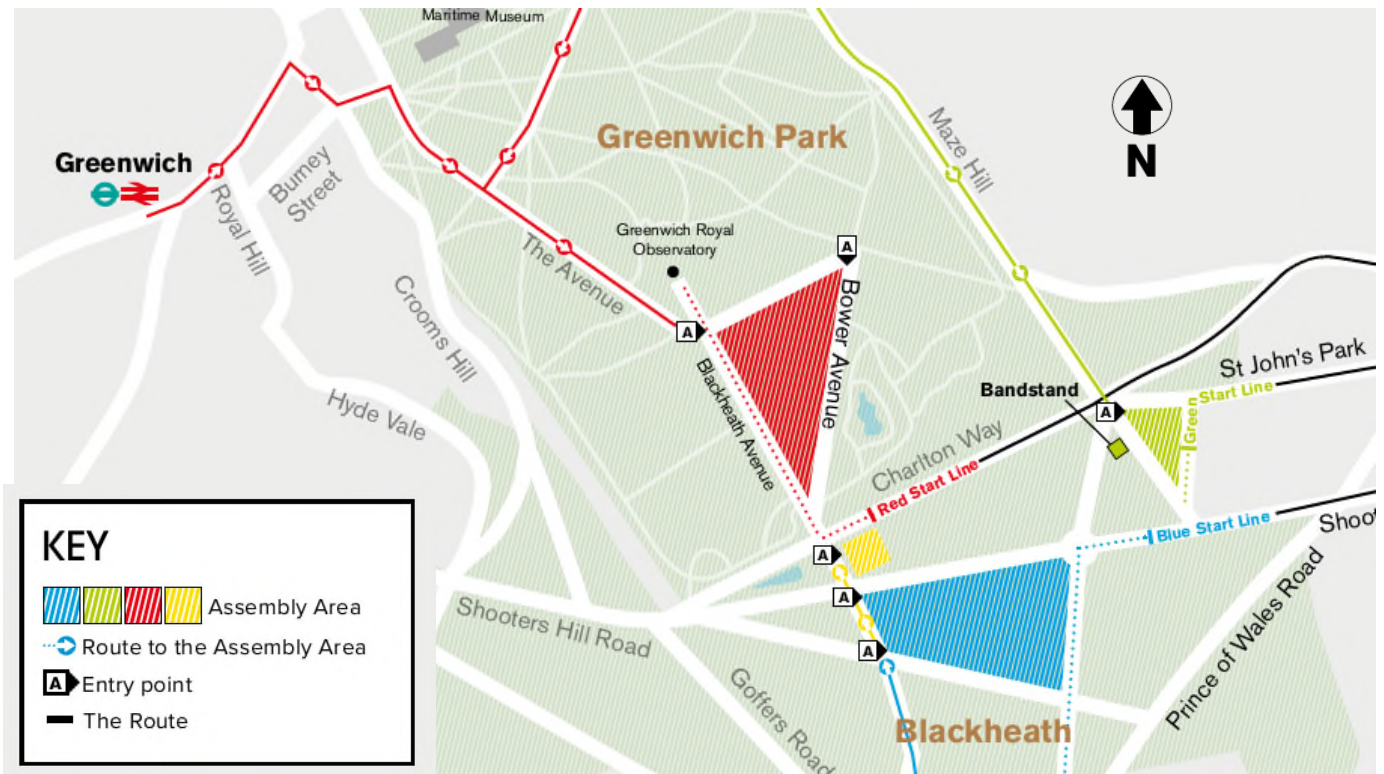
(E2.5, E2.13. 3 marks)

The London Marathon

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Functional Maths: Entry Levels 2-3

4 This map shows the 4 assembly areas for the marathon (blue, green, red, yellow).



a) Label the 8 points of the compass. You can use abbreviations, for example N for north.



b) The assembly area that is furthest south is the _____ area.

c) Which assembly area is the furthest east?

How many entry points does it have?

d) Mattie walks along Maze Hill towards the bandstand.

In what direction is Mattie walking?

(E3.20. 5 marks)

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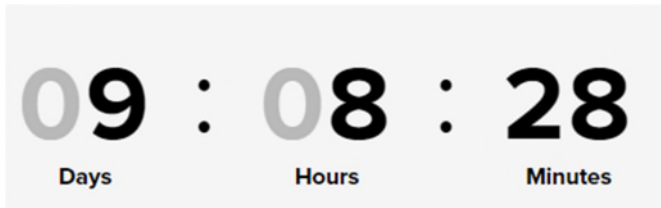
Functional Maths: Level 1

- 5 The London Marathon is on October 2nd.


On September 22nd, Mattie looks at the London Marathon website and sees this:

Countdown Clock

Get set for the day of the London Marathon!




- a) Was Mattie looking at the website in the morning or the afternoon?

 _____

(L1.20, 1 mark)

- b) Mattie's partner says there are less than 200 hours to go until Oct 2nd. Is that right? Explain your answer. HINT: use estimation

 _____

(L1.20, 3 marks)



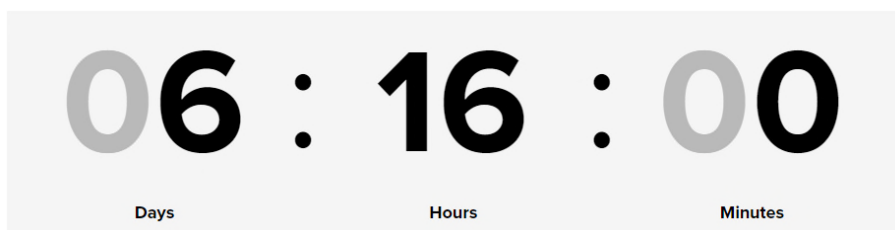
- c) Calculate the number of minutes in 8 hours.

 _____

(L1.20, 2 marks)



- d) Another day, Mattie looks at the countdown clock again. On what day was this?



 _____

(L1.20, 1 mark)

The London Marathon

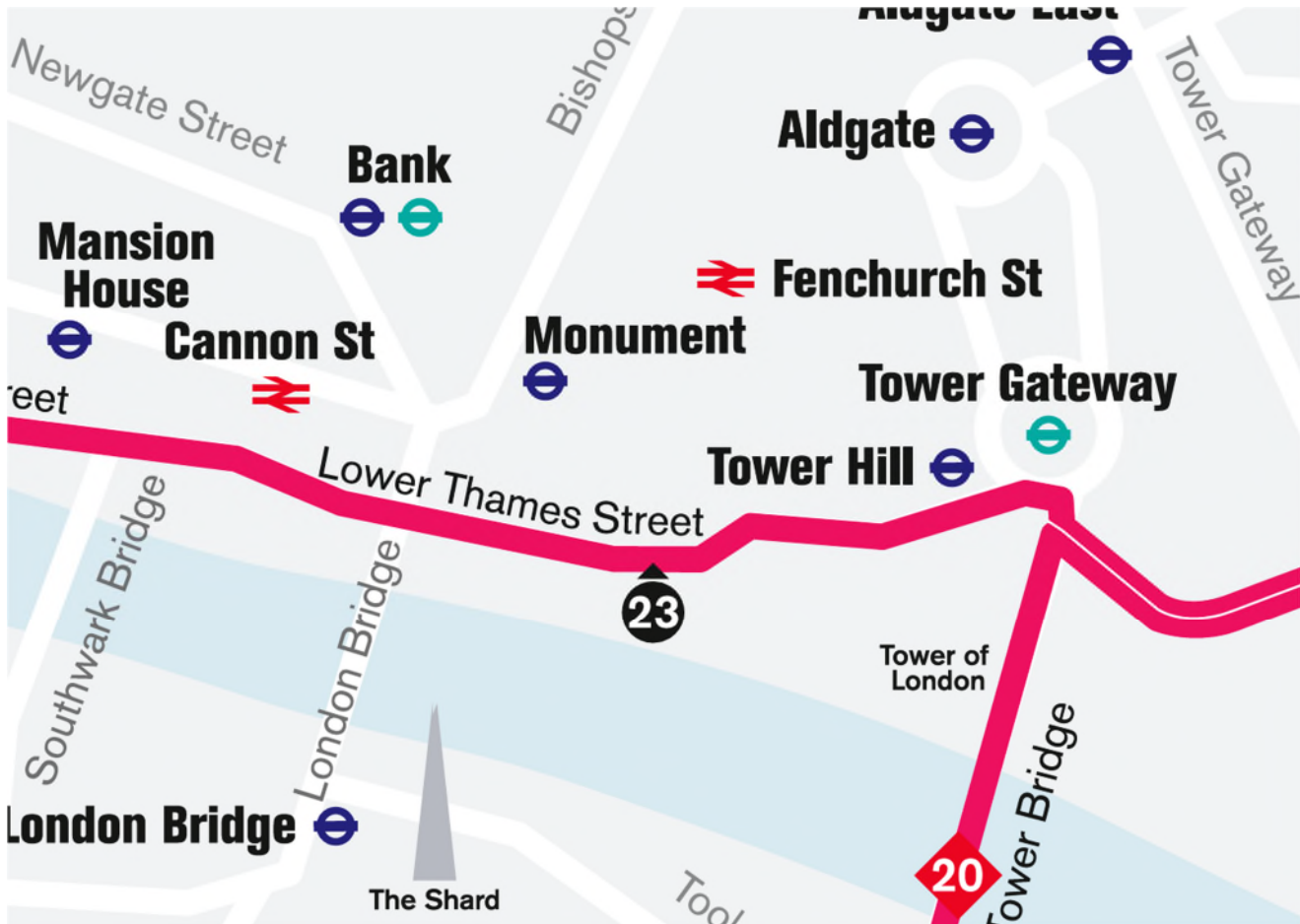
Name _____ Date _____

Functional Maths: Level 1

6 Mattie looks at a section of the route map.

Use the route map to calculate 3 figure bearings. Draw lines on the route map.

HINT: use the centre of the London Underground symbol  as the location of each place.



You **must show** all your working out and a check of your answers.

1. London Bridge **from** Mansion House.

 (L1.26 - 3 marks)

2. London Bridge **from** Monument.

 (L1.26 - 3 marks)

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Functional Maths: Levels 1-2

- 7** The day before the main marathon there are two mini marathons for children.
Younger children run 1 mile and older children run 2.6 km.


Who can take part in the mini marathon?

Children and young people who attend schools in the UK – from Reception to Year 12. If children in Reception to Year 3 are taking part an adult will need to join them on the course (1:8 ratio).

- a) Mattie's son is in Year 2 at school. There are 22 children in his class.
How many adults must run with them?  _____ (L1.17, 1 mark)

- b) Mattie's daughter is running in the 2.6 km mini marathon.
Mattie thinks that 2.6 km is more than $1\frac{1}{2}$ miles.
Is Mattie correct? Explain your answer.  _____ (L2.14, 3 marks)



- c) The main marathon is 26.2 miles long.
What is this in kilometres?  _____ (L2.14, 2 marks)

1 mile = 1.6 km

