**REAL LIFE GRAPHS**

150

0

50

100

10

20

30

40

50

60

70

0

80

90

100

**Eating a bar of chocolate**

Amount of chocolate (g)

Time (seconds)

1. How much does the bar of chocolate weigh?
2. How much does the chocolate weigh after 5 seconds?
3. How long does it take the for the chocolate bar to be eaten?
4. What is happening between 5 and 8 seconds?

150

0

50

1000

10

20

30

40

50

60

70

0

80

90

10 11 12

**Usain Bolts Race**

Distance  
(metres)

Time (seconds)

1. How far has he ran after 4.5 seconds?
2. How long has it taken Usain to run 130 metres?
3. How far has he ran after 8 seconds?
4. Why does the line go through the origin?

1000

50

3

10

20

30

40

50

60

70

0

80

90

10 11 12

**Bungee Jump!**

Distance to from the floor in metres (h)

Time in seconds (t)

1. How high is the bungee jump?
2. Why does the graph zig zag?
3. How long is the person falling for until the begin to bounce back up?
4. Why does the person stop at 3 metres and not 0?
5. How long is the person not bouncing but still upside down for?

15

0

5

10

10

20

30

40

50

60

70

0

80

90

10 11 12

**Taxi Journey**

Taxi Fare in £ (f)

Distance in miles (d)

1. Why does the taxi fare not go through the origin?
2. How much does it cost to travel 6 miles?
3. How far can I travel if I only have £10 in my pocket?
4. What does the journey cost after 9 miles? And 11 miles?
5. What does the flat part of the graph mean?
6. What is the equation of the line from 0 to 8 minutes?
7. What is the equation of the line from 8 minutes onwards?

15

0

5

10

10

20

30

40

50

60

70

0

80

90

10 11 12

Running a Bath

Depth of Water in inches (d)

Time in minutes (t)

1. How deep is the water after 3 minutes?
2. What is the equation of the line from 0 to 5 minutes?
3. What is happening from 5 minutes onwards?
4. What is the equation of the line from 5 minutes onwards?

**QUESTION.**  THINK OF 2 REAL LIFE SITUATIONS THAT CAN BE REPRESENTED WITH REAL LIFE GRAPHS AND DRAW THEM