

5

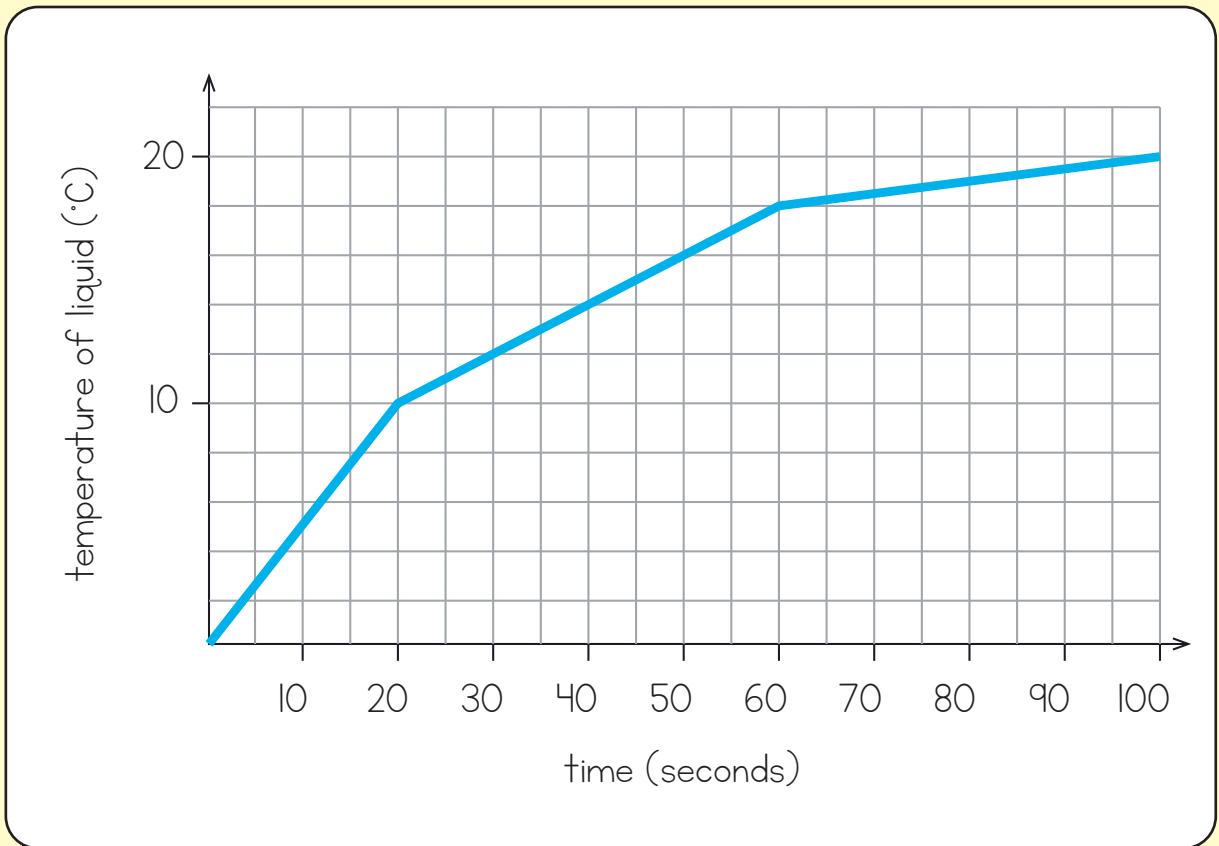
STATISTICS

White
Rose
Maths



From White Rose Maths schemes for Year 5 Autumn Term
BLOCK 3 - STATISTICS

- 1 The graph shows the temperature of a liquid as it is heated.



What is the temperature of the liquid after it has been heated for 60 seconds?

 °C

How long does it take the liquid to reach 12 °C?

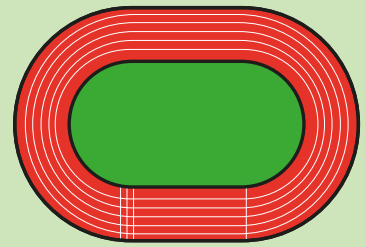
 seconds

By how many degrees has the temperature increased between 50 seconds and 80 seconds?

 °C

2 Rosie is running a 400 m race.

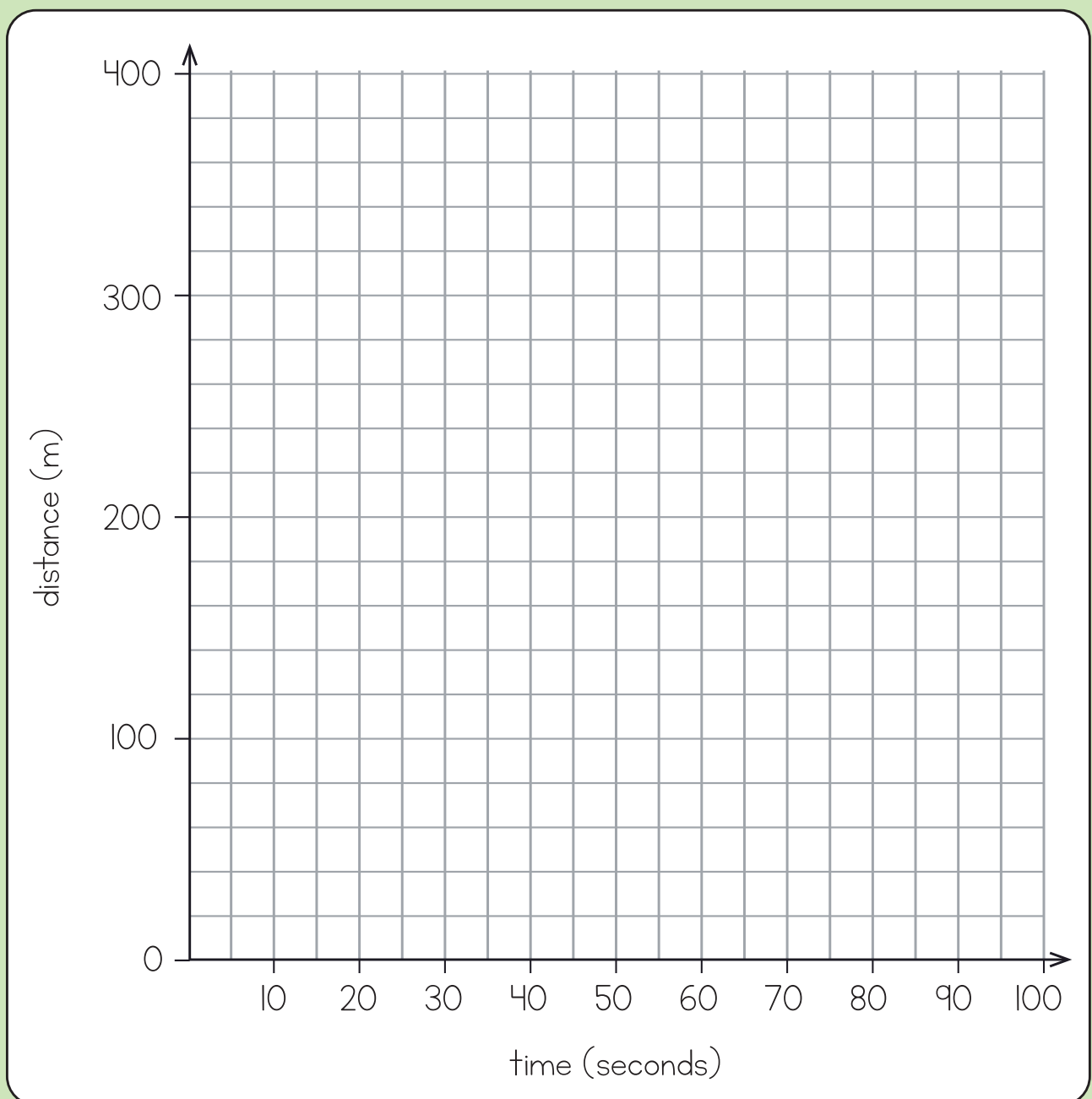
It takes her 100 seconds.



✿ After 40 seconds she has run half the distance.

✿ After 60 seconds she has 80 m still to cover.

Draw a line graph to show Rosie's race.



3

The table shows the distance in kilometres between some places in the UK.

	Bath	Dover	Ely	Leeds	Perth
Bath	-	337	290	410	720
Dover	337	-	190	330	849
Ely	290	190	-	280	640
Leeds	410	330	280	-	430
Perth	720	849	640	430	-

What is the distance between Perth and Leeds?

 km

Which place in the table is 640 km from Ely?

On Monday Mike drives from Dover to Leeds.

On Tuesday he drives from Leeds to Perth.

How many kilometres does he drive altogether?

 km

4

The table shows the start times for films at a cinema.

Arctic Adventure	Mission Boy	Magic Island	Steel Man
11:10	12:30	12:50	12:45
13:30	13:45	14:10	13:35
14:20	14:30	15:15	14:45
15:25	15:45	16:40	16:35

Which film has a showing in the morning? _____

Which film starts at 4:35 pm? _____

Jack arrives at the cinema at 2:10 pm.

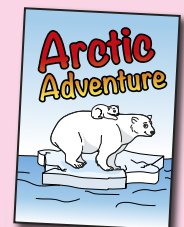
He wants to watch Steel Man.

How long does he have to wait?




Arctic Adventure lasts 100 minutes.

What time does the 14:20 showing finish?



5

The table shows the information about 134 sandwiches that were sold in a shop.

	Brown bread	White bread	Total
Egg	13	29	42
Tuna		18	43
Cheese	27		
Total		69	134

How many more egg sandwiches were sold on white bread than brown?

sandwiches

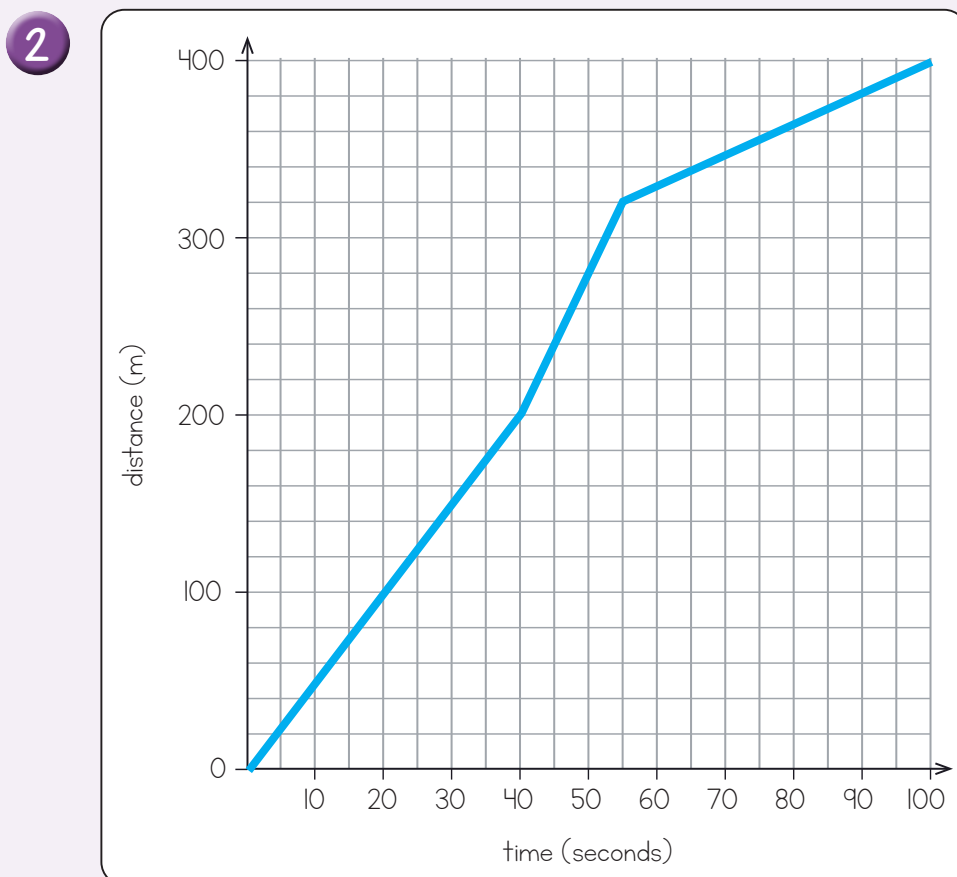
How many tuna sandwiches on brown bread were sold?

Complete the table with the missing values.

Answers




- 1 18 °C
30 seconds
3 °C



- 3 430 km
Perth
760 km

- 4 Arctic Adventure
Steel Man
35 minutes
16:00/4:00 pm

- 5 16 sandwiches
25 sandwiches

	Brown bread	White bread	Total
Egg	13	29	42
Tuna	25	18	43
Cheese	27	22	49
Total	65	69	134