

Converting units of time

Complete the bar models to convert these times.

a) How many hours is a 310 minute rail journey?

310 minutes

is _____

The rail journey is hours minutes.

b) How many minutes is a 195 second pop song?

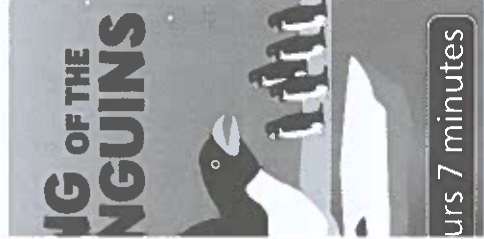
195 s

is _____

The pop song is minutes seconds.

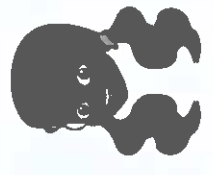
The films below have different running times. Which film is longer?

Draw a bar model to help you find the answer.



_____ is longer.

3 Is Ambika correct? Explain your answer.

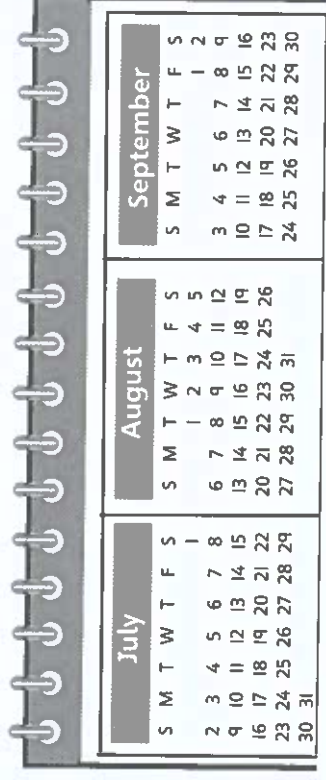


Ambika

4.25 hours is 4 hours and 25 minutes.

4 Here are the lengths of the summer holidays for four children.

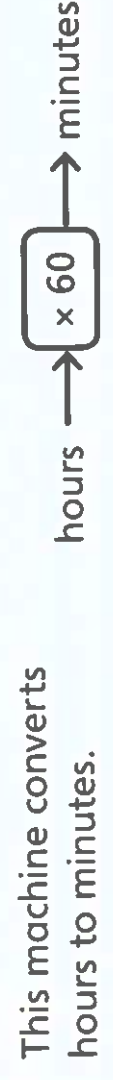
Name	Kate	Lee	Bella	Mo
Length of holidays	21 July to 2 September	40 days	5 weeks and 4 days	The whole of August plus 10 days



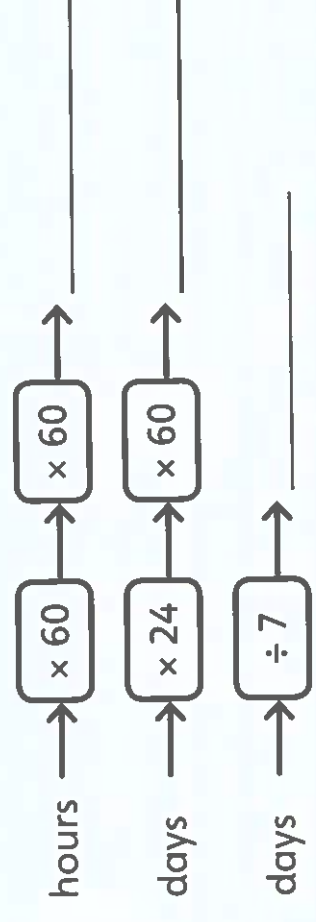
Put their names in order, from shortest holiday to longest. Show your working.

CHALLENGE

These function machines convert from one time into another.



a) Complete these function machines to show what they do.



b) Draw a function machine to show how you would find the number of minutes in a leap year.

reflect

scribe how you would convert 30 months into years and months.

Timetables

1 Look carefully at this coach timetable.

Stop	Coach A	Coach B	Coach C	Coach D	Coach E	Coach F
Birmingham Bus Station	05:45	07:30	09:20	11:15	12:50	14:35
Gilbertstone	06:05	07:50	09:40	11:35	13:10	14:55
Birmingham Airport	06:15	08:00	09:50	11:45	13:20	15:05
Coventry Bus Station	06:40	08:25	10:15	12:10	13:45	15:30
Northampton Bus Station	07:40	09:25	11:15	13:10	14:45	16:30
Luton Airport	08:45	10:30	12:20	14:15	15:50	17:35
Hertford North Station	09:30	11:15	13:05	15:00	16:35	18:20
Stansted Airport	10:20	12:05	13:55	15:50	17:25	19:10

a) Complete the sentences.

There are rows in the timetable. Each row shows a different _____.

There are columns. Each column shows a different _____.

The times in the timetable are hour times.

- b) What time does the coach that leaves Gilbertstone at five minutes past 6 arrive at Luton Airport? It arrives at .
- c) What time did the ten minutes to 4 arrival at Luton Airport leave Birmingham Bus Station? It left at .
- d) Complete the sentence.

At : Coach D arrives at Luton Airport.

Its next stop is _____.

It takes minutes to get there and it arrives at .