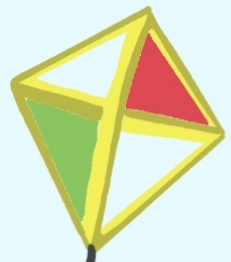


+



9

6

go!

clock

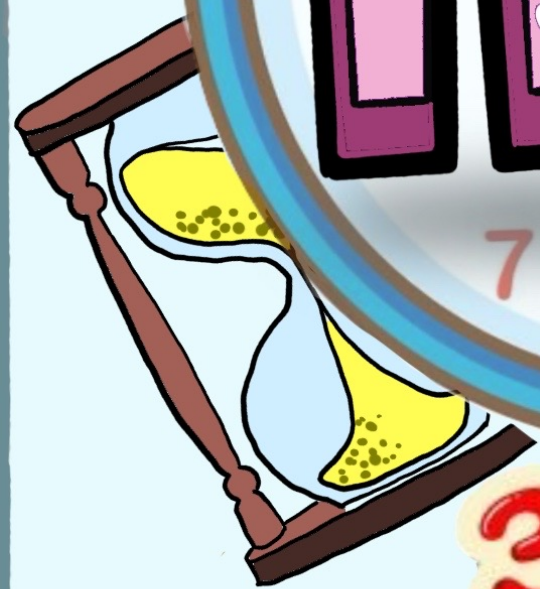
0

5

clock

go!

TIME



3

clock

8

go!

4

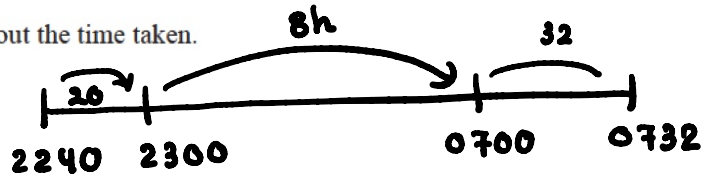


Question 1

A train leaves Zurich at 2240 and arrives in Vienna at 0732 the next day.

[1]

Work out the time taken.



8hr 52mins

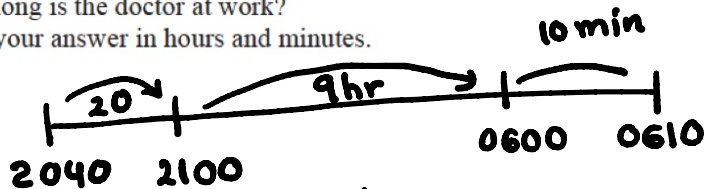
Question 2

A doctor starts work at 2040 and finishes work at 0610 the next day.

[1]

How long is the doctor at work?

Give your answer in hours and minutes.



9hr 30mins

Question 3

A bus company in Dubai has the following operating times.

Day	Starting time	Finishing time
Saturday	0600	✓ 2400 ← 18h
Sunday	0600	✓ 2400
Monday	0600	✓ 2400
Tuesday	0600	✓ 2400
Wednesday	0600	✓ 2400
Thursday	0600	✓ 2400
Friday	1300	2400

(a) Calculate the total number of hours that the bus company operates in one week.

[3]

$$\begin{array}{r} 418 \\ \times 6 \\ \hline 108 \end{array} \quad \begin{array}{r} 108 \\ + 11 \\ \hline 119 \text{ hr} \end{array}$$

(b) Write the starting time on Friday in the 12-hour clock.

[1]

1 pm

Question 4

Christa had a music lesson every week for one year.
Each of the 52 lessons lasted for 45 minutes.

Calculate the total time that Christa spent in music lessons.
Give your time in hours.

[2]

$$\begin{array}{r}
 52 \\
 \times 45 \\
 \hline
 260 \\
 + 2080 \\
 \hline
 2340
 \end{array}$$

39 hrs

Question 5

The time in Lisbon is the same as the time in Funchal.
A plane left Lisbon at 0830 and arrived in Funchal at 1020.
It then left Funchal at 1255 and returned to Lisbon.
The return journey took 15 minutes more.

What time did the plane arrive in Lisbon?

[2]

Lisbon → Funchal 1 hr 50 min

$$\begin{array}{r}
 1\text{ hr } 50\text{ min} \\
 + 15 \\
 \hline
 2\text{ hr } 5\text{ mins}
 \end{array}$$

1255 → 2hr → 0255

$$\begin{array}{r}
 0255 \\
 + 5 \\
 \hline
 0300
 \end{array}$$

3 pm

Question 6

A shop is open during the following hours.

	Monday to Friday	Saturday	Sunday
Opening time	0645	0730	0845
Closing time	1730	1730	1200

(a) Write the closing time on Saturday in the 12-hour clock time.

[1]

5:30pm

(b) Calculate the total number of hours the shop is open in one week.

[2]

$$\begin{array}{r}
 0645 - 0700 = 15\text{ min} \\
 0700 - 1700 = 10\text{ hr} \\
 1730 - 1730 = 30\text{ min}
 \end{array}$$

$$\begin{array}{r}
 13\text{ hr } 15\text{ min} \\
 50\text{ hr } 225\text{ min} \\
 \hline
 63\text{ hr } 240\text{ min}
 \end{array}$$

$$\therefore 67\text{ hr}$$

Question 7

The ferry from Helsinki to Travemunde leaves Helsinki at 1730 on a Tuesday.
The journey takes 28 hours 45 minutes.

Work out the day and time that the ferry arrives in Travemunde.

$$\begin{array}{r}
 1730 \text{ Tues} \xrightarrow{24 \text{ hr}} 1730 \text{ Wed} \xrightarrow{4 \text{ hr}} 2130 \xrightarrow{45 \text{ min}} 2215 \\
 \end{array}$$

2215, wednesday

[2]

Question 8

A bus leaves a port every 15 minutes, starting at 0900.
The last bus leaves at 1730.

How many times does a bus leave the port during one day?

$$\begin{array}{l}
 0900 \rightarrow 0915 \rightarrow 0930 \rightarrow 0945 \quad (4 \text{ times}) \\
 \times 7 \\
 \hline
 28 \text{ times} \\
 + 3 \\
 \hline
 31 \text{ times}
 \end{array}$$

Question 9

The table shows the opening and closing times of a café.

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Opening time	0600	0600	0600	0600	0600	0700 (a)	0800
Closing time	2200	2200	2200	2200	2200	2200	1300

16hr 16hr 16hr 16hr 16hr 15hr 5hr

(a) The café is open for a total of 100 hours each week.

Work out the opening time on Saturday.

[2]

0700

(b) The owner decides to close the café at a later time on Sunday. This increases the total number of hours the café is open by 4%.

Work out the new closing time on Sunday.

[1]

1700

Question 10

A plane took 1 hour and 10 minutes to fly from Riyadh to Jeddah.
The plane arrived in Jeddah at 23 05.
At what time did the plane depart from Riyadh?

[1]

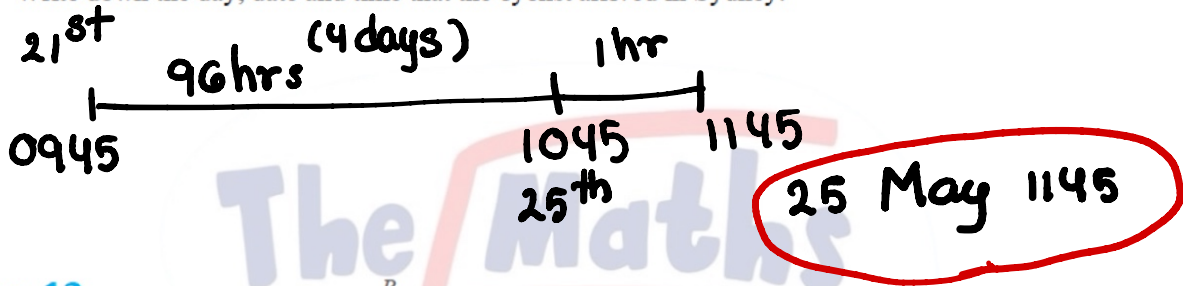
21 55

Question 11

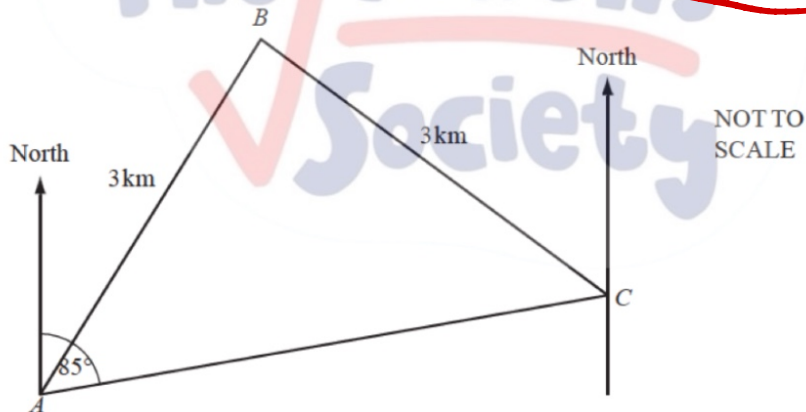
A cyclist left Melbourne on Wednesday 21 May at 09 45 to travel to Sydney.
The journey took 97 hours.

[3]

Write down the day, date and time that the cyclist arrived in Sydney.



Question 12



A , B and C are three places in a desert. Tom leaves A at 06 40 and takes 30 minutes to walk directly to B , a distance of 3 kilometres. He then takes an hour to walk directly from B to C , also a distance of 3 kilometres.

(a) At what time did Tom arrive at C ?

[1]

0810

(b) Calculate his average speed for the whole journey.

[2]

$$s = \frac{d}{t} = \frac{6}{1.5} = 4 \text{ km/h}$$

Question 13

At 05 06 Mr Ho bought 850 fish at a fish market for \$2.62 each.
95 minutes later he sold them all to a supermarket for \$2.86 each.

[1]

(a) What was the time when he sold the fish?

06 41

(b) Calculate his total profit.

[1]

$$0.24 \times 850 = 204 \$$$

Question 14

The Canadian Maple Leaf train timetable from Toronto to Buffalo is shown below.

Toronto	10 30
Oakville	10 52
Aldershot	11 07
Grimsby	11 41
St Catharines	11 59
Niagra Falls	12 24
Buffalo	13 25

19:30

(a) How long does the journey take from Toronto to Buffalo?

[1]

2 hr 55 min

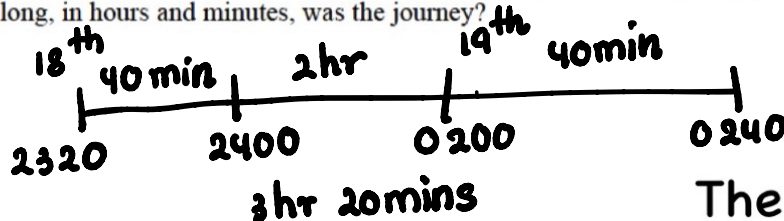
(b) This journey is 154 kilometres. Calculate the average speed of the train.

[2]

$$s = \frac{d}{t} = \frac{154}{2 \frac{1}{2}} = 52.8 \text{ km/h}$$

Question 15

A train left Sydney at 23 20 on December 18th and arrived in Brisbane at 02 40 on December 19th.
How long, in hours and minutes, was the journey?



[1]