

TIME-SET-1

1	<p>Javed says that his eyes will blink 415 000 000 times in 79 years.</p> <p>(a) Write 415 000 000 in standard form.</p> <p style="text-align: right;"><i>Answer (a)</i> [1]</p> <p>(b) One year is approximately 526 000 minutes. Calculate, correct to the nearest whole number, the average number of times his eyes will blink per minute.</p> <p style="text-align: right;"><i>Answer (b)</i> [1]</p>
2	<p>Carmen spends 5 minutes, correct to the nearest minute, preparing one meal. She spends a total time of T minutes preparing 30 meals. Between what limits does T lie?</p> <p style="text-align: right;"><i>Answer</i> $\leq T <$ [2]</p>
3	<p>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.</p> <p>(a) What was the time when he sold the fish?</p> <p style="text-align: right;"><i>Answer(a)</i> [1]</p>

4	<p>A cyclist left Melbourne on Wednesday 21 May at 09 45 to travel to Sydney. The journey took 97 hours.</p> <p>Write down the day, date and time that the cyclist arrived in Sydney.</p> <p style="text-align: right;"><i>Answer</i> Day Date Time [3]</p>
5	<p>A hummingbird beats its wings 24 times per second.</p> <p>(a) Calculate the number of times the hummingbird beats its wings in one hour.</p> <p style="text-align: right;"><i>Answer(a)</i> [1]</p> <p>(b) Write your answer to part (a) in standard form.</p> <p style="text-align: right;"><i>Answer(b)</i> [1]</p>
6	<p>A train leaves Barcelona at 21 28 and takes 10 hours and 33 minutes to reach Paris.</p> <p>(a) Calculate the time the next day when the train arrives in Paris.</p> <p style="text-align: right;"><i>Answer(a)</i> [1]</p>

7

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	(a)	0800
Closing time	2200	2200	2200	2200	2200	2200	1300

- (a) The café is open for a total of 100 hours each week.
Work out the opening time on Saturday.

Answer(a) [2]

- (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.

Answer(b) [1]

8

The ferry from Helsinki to Travemunde leaves Helsinki at 17 30 on a Tuesday.
The journey takes 28 hours 45 minutes.

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

Answer Day Time [2]

9

Pedro and Eva do their homework.
Pedro takes 84 minutes to do his homework.

The ratio Pedro's time : Eva's time = 7 : 6.

Work out the number of minutes Eva takes to do her homework.

Answer min [2]

<p>10</p>	<p>A water pipe has a circular cross section of radius 0.75 cm. Water flows through the pipe at a rate of 16 cm/s.</p> <p>Calculate the time taken for 1 litre of water to flow through the pipe.</p> <p style="text-align: right;"><i>Answer</i> s [3]</p>
<p>11</p>	<p>The time in Lisbon is the same as the time in Funchal. A plane left Lisbon at 08 30 and arrived in Funchal at 10 20. It then left Funchal at 12 55 and returned to Lisbon. The return journey took 15 minutes more.</p> <p>What time did the plane arrive in Lisbon?</p> <p style="text-align: right;"><i>Answer</i> [2]</p>