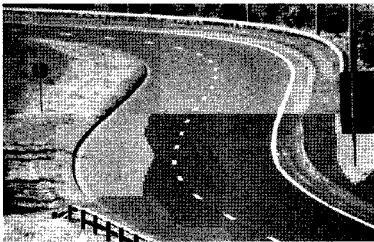
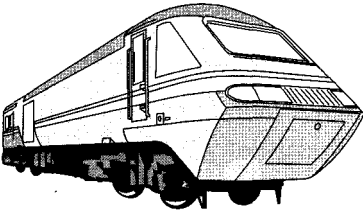

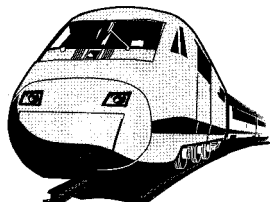
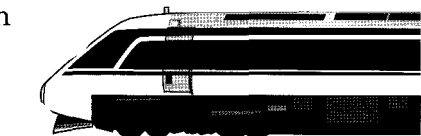
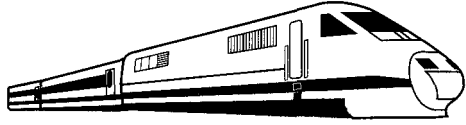

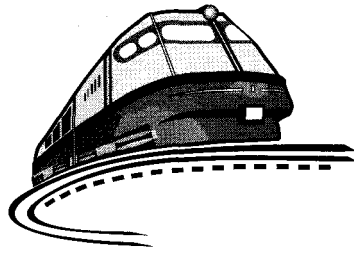


<p>2008 P2 Q2</p>	<p>Charlie's new car has an on-board computer. At the end of a journey the car's computer displays the information below.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"><b>Journey information</b></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>distance <b>157.5 miles</b></p> <p>average speed <b>45 miles/hour</b></p> </div> </div> </div> <p>Use the information above to calculate the time he has taken for his journey. Give your answer in hours and minutes.</p>	<p>4</p>
<p><i>Ans</i></p>	<p>3 hours 30 minutes</p>	
<p>2007 P2 Q1</p>	<p>A Sprinter train travels at an average speed of 144 kilometres per hour. The train takes 1 hour 15 minutes to travel between Dingwall and Aberdeen. Calculate the distance between Dingwall and Aberdeen.</p> <div style="text-align: right; margin-top: 20px;">  </div>	<p>2</p>
<p><i>Ans</i></p>	<p>180 km</p>	

2006 P2 Q7	<p>Amy and Brian travel from Dundee to Stonehaven. The distance between Dundee and Stonehaven is 80 kilometres.</p> <p>Amy takes 1 hour 30 minutes to travel by car.</p>  <p>Brian takes the train which travels at an average speed of 60 kilometres per hour.</p>  <p>What is the difference between their journey times?</p>		4												
<i>Ans</i>	10 minutes														
2005 P2 Q1	<p>A night train from London to Edinburgh leaves at 2321 and arrives at 0651.</p>  <p>(a) How long does the train journey take?</p> <p>(b) The distance from London to Edinburgh is 644 kilometres. Find the average speed of the train in kilometres per hour. Give your answer correct to one decimal place.</p>	2	3												
<i>Ans</i>	(a) 7hours 30 minutes    (b) 85.9 km/h														
2004 P1 Q11	<p>Andrew and his brother are flying to America on holiday. Their flight times are shown below.</p> <table border="0" data-bbox="255 1624 1021 1792"> <tr> <td>Depart Glasgow</td> <td>30/6/04</td> <td>2120</td> </tr> <tr> <td>Arrive Reykjavik, Iceland</td> <td>30/6/04</td> <td>2235</td> </tr> <tr> <td>Depart Reykjavik, Iceland</td> <td>1/7/04</td> <td>0105</td> </tr> <tr> <td>Arrive New York, USA</td> <td>1/7/04</td> <td>0455</td> </tr> </table> <p>How long will the brothers have to wait at Reykjavik in Iceland before their flight to New York?</p>	Depart Glasgow	30/6/04	2120	Arrive Reykjavik, Iceland	30/6/04	2235	Depart Reykjavik, Iceland	1/7/04	0105	Arrive New York, USA	1/7/04	0455		2
Depart Glasgow	30/6/04	2120													
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Depart Reykjavik, Iceland	1/7/04	0105													
Arrive New York, USA	1/7/04	0455													
<i>Ans</i>	2 hours 30 minutes														

2003 P2 Q1	<p>The distance between Verona and Milan is 158 kilometres.</p> <p>A train takes 1 hour 40 minutes to travel between these cities.</p> <p>Find the average speed of the train.</p>		2											
Ans	94.8 km/h													
2002 P2 Q1	<p>John drives from Edinburgh to Inverness at an average speed of 76 kilometres per hour.</p> <p>The journey takes him 3 hours 45 minutes.</p> <p>How far is it from Edinburgh to Inverness?</p>		2											
Ans	285 km													
2001 P1 Q6	<p>Two trains run from Aberdeen to London Kings Cross.</p> <p>They both have <b>the same journey time.</b></p>													
<table border="1"> <thead> <tr> <th></th> <th>Train 1</th> <th>Train 2</th> </tr> </thead> <tbody> <tr> <td><b>Aberdeen Depart</b></td> <td>1455</td> <td>2125</td> </tr> <tr> <td><b>Kings Cross Arrive</b></td> <td>2229</td> <td></td> </tr> </tbody> </table>			Train 1	Train 2	<b>Aberdeen Depart</b>	1455	2125	<b>Kings Cross Arrive</b>	2229		<p>Find the arrival time for Train 2 at Kings Cross.</p>			3
	Train 1	Train 2												
<b>Aberdeen Depart</b>	1455	2125												
<b>Kings Cross Arrive</b>	2229													
Ans	0459													
2001 P2 Q8	<p>At the Ewington Athletic Club the length of one lap of the track is 400 metres.</p> <p>In the 10 000 metres race a runner takes an average of 65.2 seconds to complete each lap.</p> <p>At this pace, will this runner break the race record of 27 minutes 12 seconds?</p>			4										
Ans	Yes. 27mins 10 secs is less than 27 mins 12 secs.													



Here is part of a French Railway timetable for a high-speed train.

Distance from Paris (km)		
0	Paris	Depart 1644
512	Lyon	Depart 1900
617	Valence	Depart 1955
742	Avignon	Depart 2051
863	Marseille	Arrive 2144

(a) Calculate the journey time from Paris to Marseille.

(b) Find the speed of the train from Paris to Marseille.

Round your answer to the nearest kilometre per hour.

1

3

2000 P1 Q3

Ans (a) 5 hours (b) 173 km/h