1	A plane flew from Madrid to Dubai.		
	The distance the plane flew was 5658 km. The flight time was 8 hours 12 minutes.		
	Work out the average speed of the plane.		
		(Total for Question 1 is 3 morks)	h
		(Total for Question 1 is 3 marks)	h -
			h -
			h
			h -
			h _

2	A train takes 6 hours 39 minutes to travel from New Delhi to Kanpur. The train travels a distance of 429 km.		
	Work out the average speed of the train. Give your answer in km/h correct to one decimal place.		
	km/h		
	(Total for Question 2 is 3 marks)		

3	An aeroplane travelled from New York City to Los Angeles.
	The aeroplane travelled a distance of 3980 kilometres in 5 hours 24 minutes.
	Work out the average speed of the aeroplane. Give your answer in kilometres per hour correct to the nearest whole number.
	kilometres per hour
	(Total for Question 3 is 3 marks)
4	A train journey from Paris to Amsterdam took 3 hours 24 minutes. The total distance the train travelled was 433.5 km.
	Work out the average speed of the train. Give your answer in kilometres per hour.
	km/h
	KIII/II
	(Total for Question 4 is 3 marks)
	(Total for Question 4 is 3 marks)

5	Pedro drove from Toulouse to Montpellier in 2 hours 42 minutes. He drove at an average speed of 90 km/hour.
	Janine drove from Toulouse to Montpellier along the same route as Pedro. The journey took her 3 hours.
	Work out Janine's average speed for the journey.
	1 /
	km/hour
	(Total for Question 5 is 4 marks)

6	Change a speed of 72 kilometres per hour to a speed in metres per second.
	matras par sacand
	(Total for Operation 6 is 3 marks)
_	(Total for Question 6 is 3 marks)
7	Change a speed of 81 kilometres per hour to a speed in metres per second.
	metres per second
_	(Total for Question 7 is 3 marks)

8	Change 22 metres per second to a speed in kilometres per hour. Show your working clearly.
	km/h
	(Total for Question 8 is 3 marks)
9	Change a speed of <i>x</i> kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of <i>x</i> kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.
9	Change a speed of x kilometres per hour into a speed in metres per second. Simplify your answer.

10	Gary drove from London to Sheffield. It took him 3 hours at an average speed of 80 km/h.		
	Lyn drove from London to Sheffield. She took 5 hours.		
	Assuming that Lyn drove along the same roads as Gary and did not take a break,		
	(a) work out Lyn's average speed from London to Sheffield.		
		(3)	.km/h
	(b) If Lyn did not drive along the same roads as Gary, explain how this could affect your answer to part (a).		
		(1)	
	(Total for Question 10 is 4 mar	rks)	

Lara is a skier.
he completed a ski race in 1 minute 54 seconds. The race was 475 m in length.
ara assumes that her average speed is the same for each race.
a) Using this assumption, work out how long Lara should take to complete a 700 m race. Give your answer in minutes and seconds.
minutes seconds
(3)
ara's average speed actually increases the further she goes.
b) How does this affect your answer to part (a)?
(1)
1

12	2 Jessica runs for 15 minutes at an average speed of 6 miles per hour. She then runs for 40 minutes at an average speed of 9 miles per hour.		
	It takes Amy 45 minutes to run the same total distance that Jessica runs.		
	Work out Amy's average speed. Give your answer in miles per hour.		
	miles per hour		
	(Total for Question 12 is 4 marks)		

13	The distance from Fulbeck to Ganby The distance from Ganby to Horton i				
	10 miles	ı	18 miles	ı	
	Fulbeck	Ganby		Horton	
	Raksha is going to drive from Fulbec Then she will drive from Ganby to H				
	Raksha leaves Fulbeck at 10 00 She drives from Fulbeck to Ganby at	an average spee	ed of 40mph.		
	Raksha wants to get to Horton at 10 3	35			
	Work out the average speed Raksha r	nust drive at fro	m Ganby to Horto	n.	
					mph
			(Total for Que	estion 13 is 3 marks)	

14 Axel ar	nd Lethna are driving along	; a motorway.	
The road	e a road sign. I sign shows the distance to nows the average time drive		ion 8
		To Junction 8 30 miles 26 minutes	
The spee	ed limit on the motorway is	70 mph.	
Lethna s	ays		
"We	will have to drive faster the	an the speed limit to d	rive 30 miles in 26 minutes."
Is Lethna You mus	a right? t show how you get your a	nswer.	
			(Total for Question 14 is 3 marks)

15	Olly drove 56 km from Liverpool to Manchester. He then drove 61 km from Manchester to Sheffield.
	Olly's average speed from Liverpool to Manchester was 70 km/h. Olly took 75 minutes to drive from Manchester to Sheffield.
	(a) Work out Olly's average speed for his total drive from Liverpool to Sheffield.
	km/h
	(4)
	Janie drove from Barnsley to York.
	Janie's average speed from Barnsley to Leeds was 80 km/h. Her average speed from Leeds to York was 60 km/h.
	Janie says that the average speed from Barnsley to York can be found by working out the mean of $80\ km/h$ and $60\ km/h$.
	(b) If Janie is correct, what does this tell you about the two parts of Janie's journey?
	(1)
	(Total for Question 15 is 5 marks)

16 Milly went on a car journey.	
She travelled from Anesey to Breigh to Clando and then to Duckbridge.	
For Anesey to Breigh, Milly drove the 245 km in 2.5 hours. For Breigh to Clando, Milly drove the 220 km at an average speed of 80 km/h For Clando to Duckbridge, Milly drove at an average speed of 72 km/h in 50 minutes.	
Work out Milly's average speed, in km/h, for the journey from Anesey to Duckbridge. Give your answer correct to one decimal place.	
km	/h
(Total for Question 16 is 4 marks)	/ 11
(Total for Question To is I marks)	_

17	· · ·
	James took $2\frac{1}{2}$ hours to cycle the 50 km.
	Peter started to cycle 5 minutes after James started to cycle. Peter caught up with James when they had both cycled 15 km.
	James and Peter both cycled at constant speeds.
	Work out Peter's speed.
	km/h
	(Total for Question 17 is 5 marks)