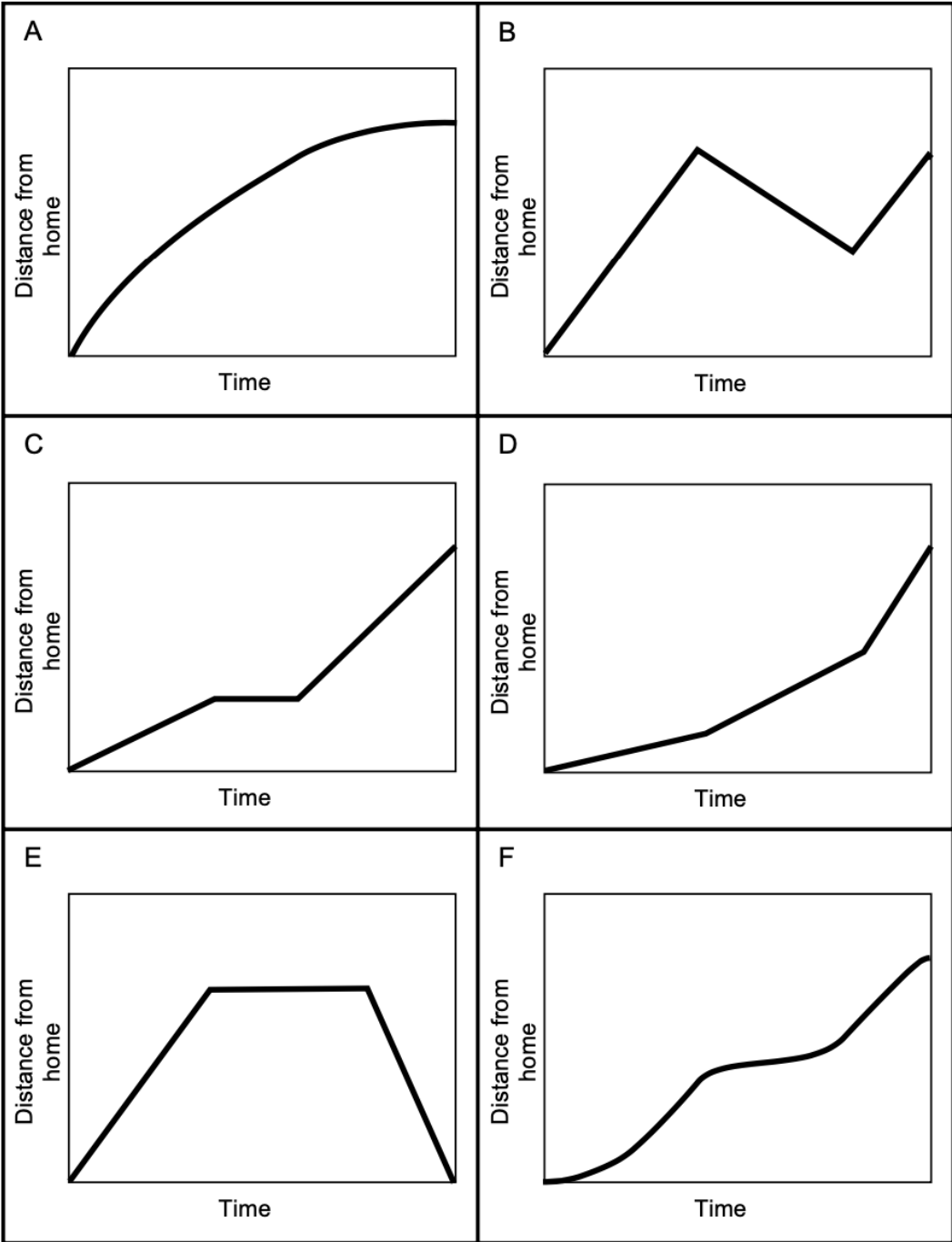
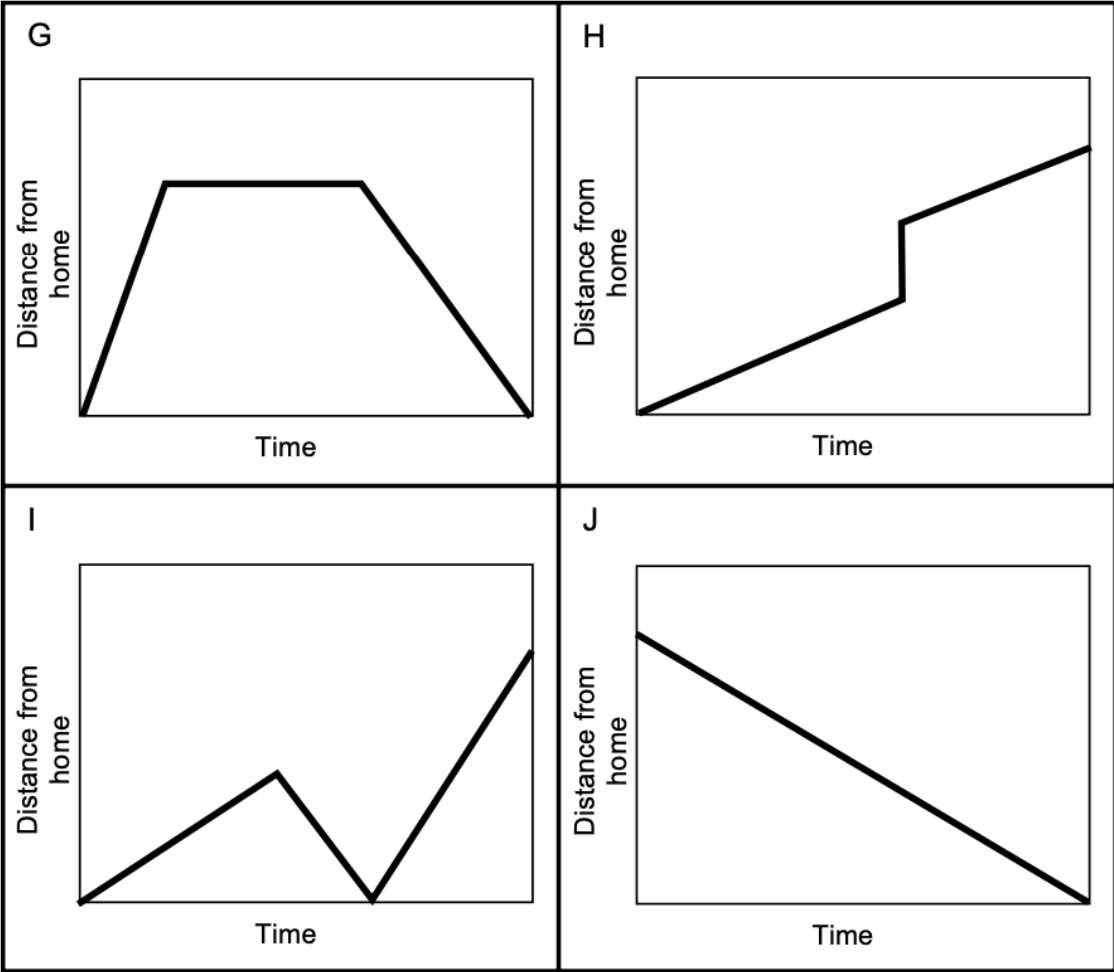


Card Set A: Distance–Time Graphs



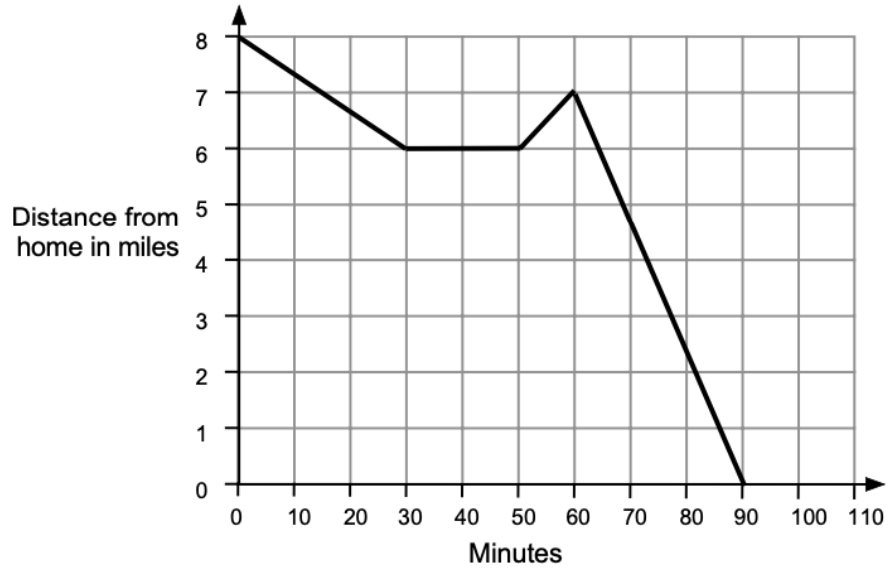


<p>1 Tom ran from his home to the bus stop and waited. He realized that he had missed the bus so he walked home.</p>	<p>2 Opposite Tom's home is a hill. Tom climbed slowly up the hill, walked across the top, and then ran quickly down the other side.</p>
<p>3 Tom skateboarded from his house, gradually building up speed. He slowed down to avoid some rough ground, but then speeded up again.</p>	<p>4 Tom walked slowly along the road, stopped to look at his watch, realized he was late, and then started running.</p>
<p>5 Tom left his home for a run, but he was unfit and gradually came to a stop!</p>	<p>6 Tom walked to the store at the end of his street, bought a newspaper, and then ran all the way back.</p>
<p>7 Tom went out for a walk with some friends. He suddenly realized he had left his wallet behind. He ran home to get it and then had to run to catch up with the others.</p>	<p>8 This graph is just plain wrong. How can Tom be in two places at once?</p>
<p>9 After the party, Tom walked slowly all the way home.</p>	<p>10 Make up your own story!</p>

P	Time	Distance	Q	Time	Distance	R	Time	Distance	
	0	0		0	0		0	0	0
	1	40		1	10		1	18	18
	2	40		2	20		2	36	36
	3	40		3	40		3	54	54
	4	20		4	60		3	84	84
	5	0	5	120	5	120	120		
S	Time	Distance	T	Time	Distance	U	Time	Distance	
	0	0		0	0		0	0	0
	1	40		1	20		1	30	30
	2	80		2	40		2	60	60
	3	60		3	40		3	0	0
	4	40		4	40		4	60	60
	5	80	5	0	5	120	120		
V	Time	Distance	W	Time	Distance	X	Time	Distance	
	0	0		0	0		0	120	120
	1	20		1	45		1	96	96
	2	40		2	80		2	72	72
	3	40		3	105		3	48	48
	4	80		4	120		4	24	24
	5	120	5	125	5	0	0		
Y	Make this one up!		Z	Make this one up!					
	Time	Distance		Time	Distance				
	0			0					
	1			1					
	2			2					
	3			3					
	4			4					
	5			5					
	6			6					
	7			7					
	8			8					
9		9							
10		10							

Journey Home

Sylvia bikes home along a straight road from her friend's house, a distance of 8 miles. The graph shows her journey.



1. Describe what may have happened. You should include details like how fast she bikes.

.....

.....

.....

.....

.....

.....

.....

2. Are all sections of the graph realistic? Fully explain your answer.

.....

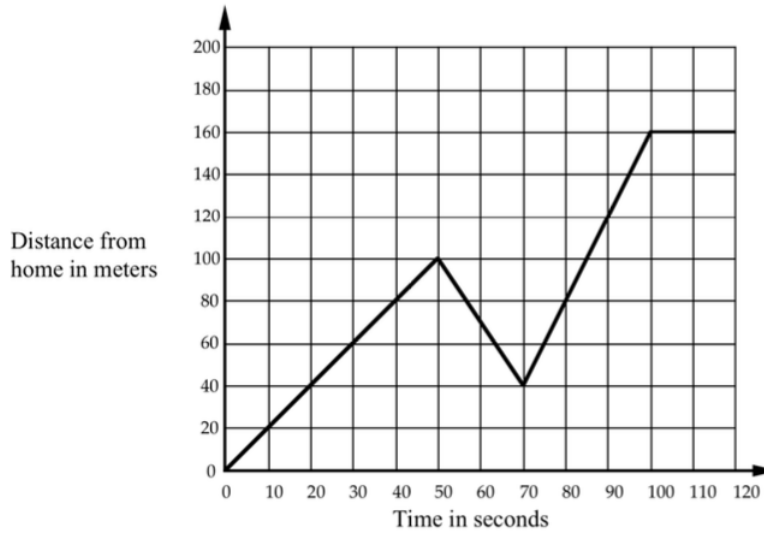
.....

.....

.....

Journey to the Bus Stop

Every morning Tom walks along a straight road from his home to a bus stop, a distance of 160 meters. The graph shows his journey on one particular day.



1. Describe what may have happened. You should include details like how fast he walked.

.....

.....

.....

.....

.....

.....

.....

2. Are all sections of the graph realistic? Fully explain your answer.

.....

.....

.....

.....