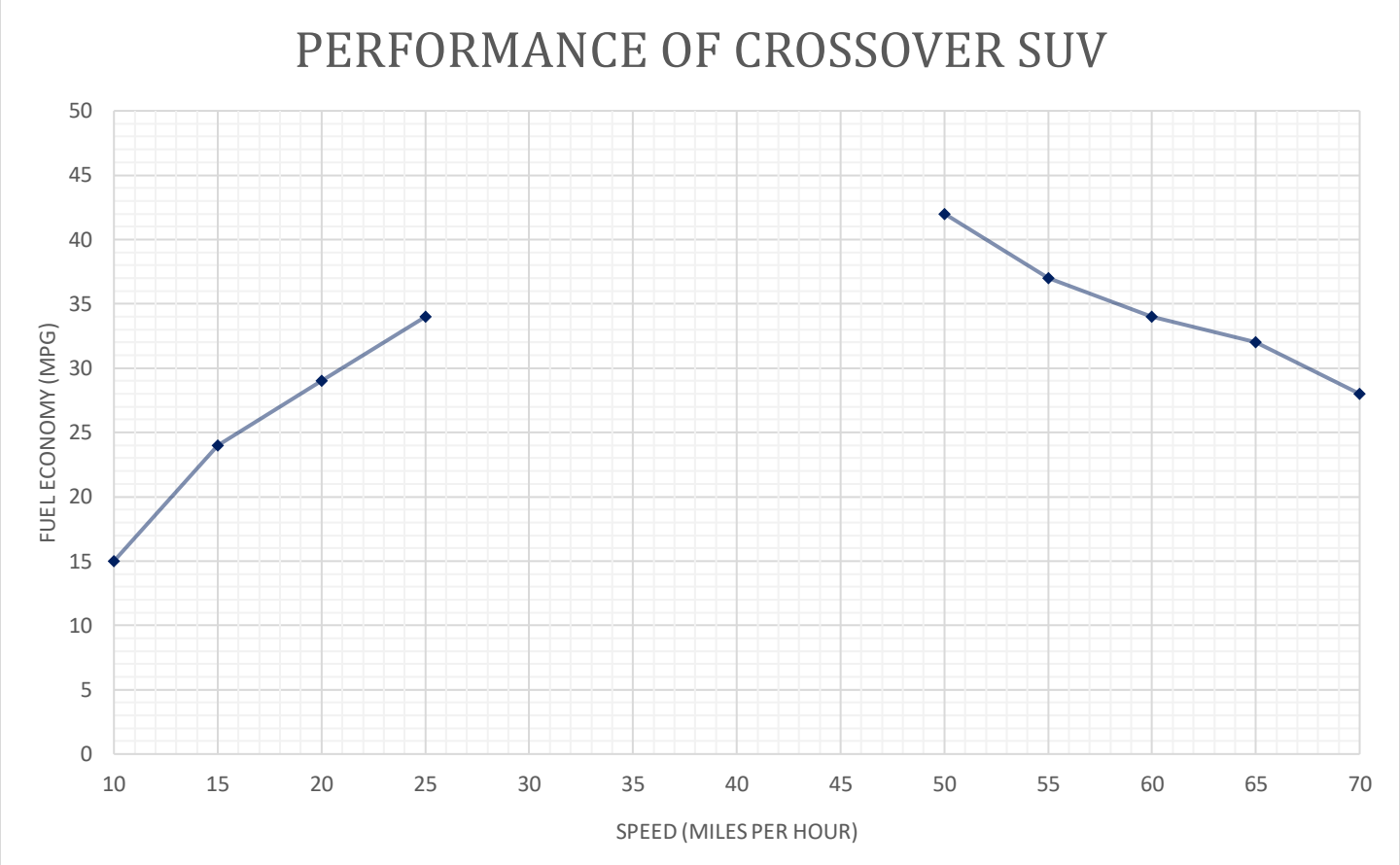
Name Date

LINE GRAPH WORKSHEET 5E SUV TEST

A Crossover SUV was tested to see how the fuel economy in miles per gallon changed as the speed changed. Here are the results.

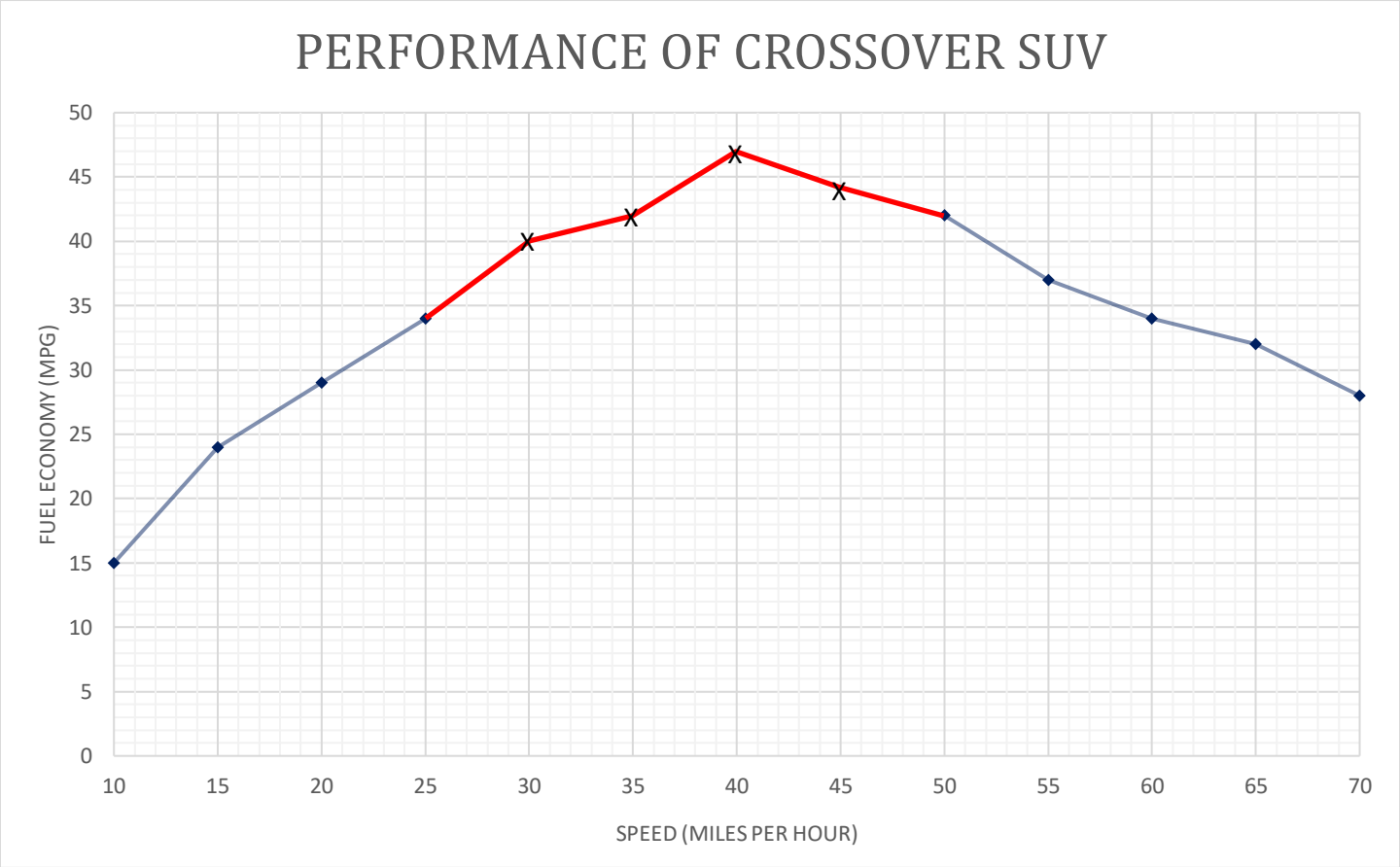


SPEED (mph)	25	30	35	40	45	50	55
FUEL ECONOMY (mpg)		40	42	47	44		

1) Plot the missing points on the line graph and join them up to complete the graph.
2) Complete the missing data on the table.
3) What is the fuel economy at 20 miles per hour? _____
4) What is the fuel economy at 60 miles per hour? _____
5) Which two speeds have a fuel economy of 34 miles per gallon? _____
6) Which is the most efficient speed to travel at to get the best fuel economy? _____
7) How do you know? _____
8) How much does the fuel economy rise by when the speed changes from 20 mph to 40 mph? _____

Name Date

LINE GRAPH WORKSHEET 5E SUV TEST ANSWERS



SPEED (mph)	25	30	35	40	45	50	55
FUEL ECONOMY (mpg)	34	40	42	47	44	42	37

1) Plot the missing points on the line graph and join them up to complete the graph.
2) Complete the missing data on the table.
3) What is the fuel economy at 20 miles per hour? 29 mpg
4) What is the fuel economy at 60 miles per hour? 34 mpg
5) Which two speeds have a fuel economy of 34 miles per gallon? 25 mph and 60 mph
6) Which is the most efficient speed to travel at to get the best fuel economy? 40 mph
7) How do you know? Because it is the highest point of the graph – the highest mpg.
8) How much does the fuel economy rise by when the speed changes from 20 mph to 40 mph? 47 – 29 = 18 mpg increase