

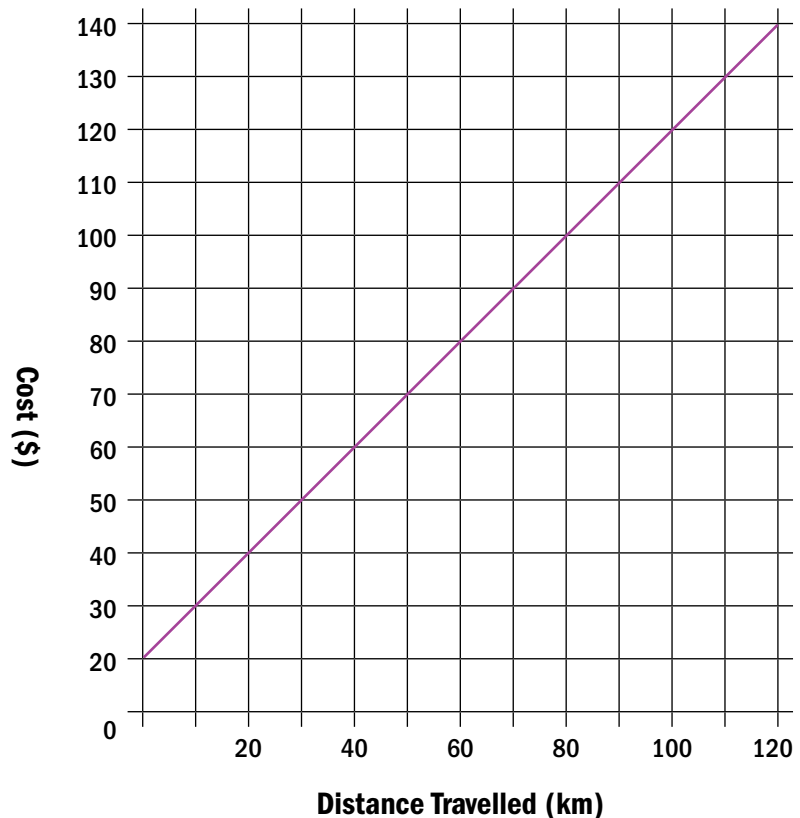
PATTERNS AND RELATIONSHIPS

Stage 8

The following graph shows the cost for Rugger's team to hire a mini bus for the day to travel to a tournament.

The equation of the line for Cross Rentals is shown on the graph below.

- What is the equation of the line?
- How much is the initial cost of the van?
- How is this represented on the graph?
- What is the cost per kilometre?
- How is this represented on the graph?



- Another company Square Rentals offers another deal. The equation of the line is $C = \frac{1}{2}d + 60$. Copy the above graph and draw this line on the same axis.
- What is the distance when the cost is the same for both companies?
- How is this represented on the graph?
- Rugger's team has to travel 120 km. Which company is cheapest? How does this show on the graph?