



- time, distance, and speed

A. Find the average speed of each child. Show your work.

1.



I travelled 180 km in 2 h.

Tom's speed: _____

2.



I travelled 375 km in 3 h.

Kate's speed: _____

3.



I travelled 285 km in 3 h.

Jake's speed: _____

4.



I travelled 300 km in 4 h.

Jane's speed: _____

B. Answer the questions about the children's speed in (A).

1. How far will Tom and Jane travel in 5 h?

a. Tom will travel: _____ = _____

b. Jane will travel: _____ = _____

2. If Tom and Jane start travelling from the same location and in the same direction, how far apart will they be after 3 h?

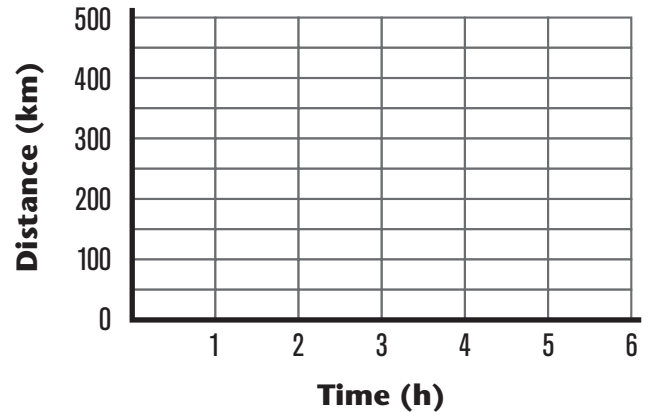
C. Complete the chart and the graph. Then answer the questions.

1. A car travels 240 km in 3 h.

2.

Time (h)	Distance (km)
1	
2	
3	
4	

Distance Travelled by a Car



3. How far does the car travel in

a. 8 h? _____

b. 10 h? _____

4. How long will it take to travel

a. 560 km? _____

b. 720 km? _____

5. A train travels at 180 km per hour. How much farther will the train travel than the car in 5 h?

6. How much longer does it take the car than the train to travel 360 km?





- time, distance, and speed

A. Find the average speed of each child. Show your work.

1.

I travelled 180 km in 2 h.

$$180 \div 2 = 90$$

Tom's speed: 90 km/h

2.

I travelled 375 km in 3 h.

$$375 \div 3 = 125$$

Kate's speed: 125 km/h

3.

I travelled 285 km in 3 h.

$$285 \div 3 = 95$$

Jake's speed: 95 km/h

4.

I travelled 300 km in 4 h.

$$300 \div 4 = 75$$

Jane's speed: 75 km/h

B. Answer the questions about the children's speed in (A).

1. How far will Tom and Jane travel in 5 h?

a. Tom will travel: 90 x 5 = 450 (km)

b. Jane will travel: 75 x 5 = 375 (km)

2. If Tom and Jane start travelling from the same location and in the same direction, how far apart will they be after 3 h?

Tom will travel: $90 \times 3 = 270$ (km)

Jane will travel: $75 \times 3 = 225$ (km)

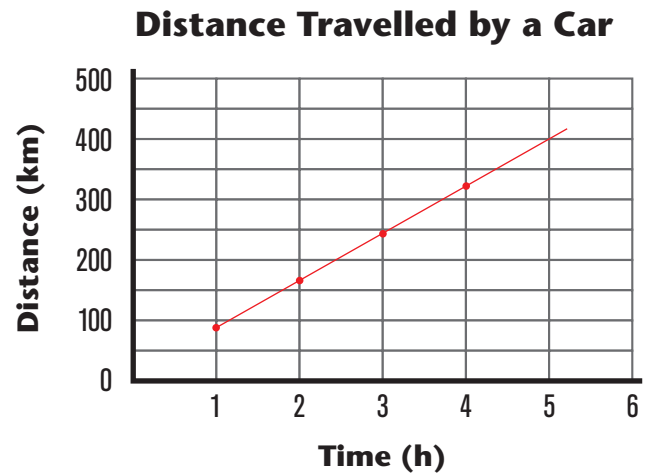
$270 - 225 = 45$ (km)

They will be 45 km apart after 3 h.

C. Complete the chart and the graph. Then answer the questions.

1. A car travels 240 km in 3 h. 2.

Time (h)	Distance (km)
1	80
2	160
3	240
4	320



3. How far does the car travel in

a. 8 h? 640 km b. 10 h? 800 km

4. How long will it take to travel

a. 560 km? 7 h b. 720 km? 9 h

5. A train travels at 180 km per hour. How much farther will the train travel than the car in 5 h?

Train travels: $180 \times 5 = 900$ (km)

Car travels: $80 \times 5 = 400$ (km)

$900 - 400 = 500$ (km)

The train will travel 500 km farther than the car.

6. How much longer does it take the car than the train to travel 360 km?

Train travels: $360 \div 180 = 2$ (h)

Car travels: $360 \div 80 = 4.5$ (h)

$4.5 - 2 = 2.5$ (h)

It takes the car 2.5 h longer to travel 360 km.
