

# Grade 5 Chapter 5 Lesson 6

## Solve Problems Using Tables.

### Answers

- For example, Akiko estimated 67 minutes because she wanted to find out how long it took her to go 5000 m. Since 5000 m is between 4875 m and 5250 m, she chose 67 because it is between 65 and 70 minutes.
- For example, making a table helped Akiko because the information is organized and it's easy to relate the times to the distances.
- For example, she could have divided 5000 by 75 on her calculator, but she'd have to figure out how to convert her decimal into minutes.
- For example,

Distance (km)	Time (minutes)
6000	80
6750	90
7500	100

Since 7000 m is less than halfway between 6750 and 7500, it would take her less than 95 minutes, or about 93 minutes to walk 7000 m.

- For example, create a table.

Distance (km)	Time (minutes)
40	30
44	33
48	36
52	39
56	42
60	45
64	48

Since 62 km is halfway between 60 and 64 km, it would take them halfway between 45 and 48 minutes or about 46.5 minutes to get to Cale's grandmother's house.

- a) For example, create a table to solve the problem.

Distance (km)	Time (minutes)
8	23
16	46
24	69
32	92
40	115

It would take him 115 minutes to run 40 km.

- b) For example, 2 hours 24 minutes =  $120 + 24 = 144$  minutes to run the Boston Marathon. Since  $144 - 115 = 29$  minutes, it took him 29 minutes longer to run the Boston Marathon.

- For example, create a table.

Airplane	Kilometres travelled in one hour	Kilometres travelled in 90 minutes
De Havilland Dash 8	306	459
Canadair Regional Jet	786	1179
Boeing 737	816	1224

The Boeing goes  $1224 - 1179 = 45$  km farther than the Canadair Regional Jet and  $1224 - 459 = 765$  km farther than the De Havilland Dash 8.

- For example, the tables are:

Tamara		Bronwyn	
Time (minutes)	Distance (m)	Time (minutes)	Distance (m)
10	700	12	1000
20	1400	24	2000
30	2100	36	3000
40	2800	48	4000
50	3500	60	5000
60	4200		

Bronwyn walks  $5000 - 4200 = 800$  m farther than Tamara in 1 hour.