

Name: _____

The Walk-a-thon

Example:

Chloe is walking to earn money for charity. She walks at a rate of 1 mile every 20 minutes. At this rate, how far can Chloe walk in 70 minutes?

Solution:

We can use the value of the ratio to help us solve the problem. The ratio is 1:20, so the value of the ratio is $1/20$. $70 \times 1/20 = 70/20 = 7/2 = 3.5$ miles
Therefore, Chloe can walk 3.5 miles in 70 minutes.

Solve the following problems using ratio reasoning.

1. Joshua will raise \$15 for every 2 miles that he walks. How far does he need to walk in order to earn \$63.75 for charity?

2. Hannah is walking briskly at a rate of 2 miles in 30 minutes. If she continues this rate, how long will it take to walk 7 miles?

3. Jose pledged to pay \$3 for every 1.5 miles. If there were 15 total miles walked, how much will Jose give to charity through his pledge?

4. The average walker at the charity event walked 1 mile in 23 minutes. How long would it take for the average walker to complete 4.5 miles?

5. Jasjeet calculated that the charity event raised \$4680 with a total of 1440 miles. What is the average amount pledged for 1 mile?

6. Xin walked the farthest of all the participants. If he can walk 1 mile in 12 minutes, how far did he walk in 6 hours?

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Solve the following problems using ratio reasoning.

1. Joshua will raise \$15 for every 2 miles that he walks. How far does he need to walk in order to earn \$63.75 for charity?

8.5 miles

2. Hannah is walking briskly at a rate of 2 miles in 30 minutes. If she continues this rate, how long will it take to walk 7 miles?

105 minutes or 1 hour and 45 minutes

3. Jose pledged to pay \$3 for every 1.5 miles. If there were 15 total miles walked, how much will Jose give to charity through his pledge?

\$30

4. The average walker at the charity event walked 1 mile in 23 minutes. How long would it take for the average walker to complete 4.5 miles?

103.5 minutes or 1 hour and 43.5 minutes

5. Jasjeet calculated that the charity event raised \$4680 with a total of 1440 miles. What is the average amount pledged for 1 mile?

\$3.25 per mile

6. Xin walked the farthest of all the participants. If he can walk 1 mile in 12 minutes, how far did he walk in 6 hours?

30 miles