

4-1 Using Graphs to Relate Quantities

Mr. White is eating Skittles at a steady rate. Use the graph to the right to answer questions 1-5. Answer in complete sentences.

1. How long does it take Mr. White to eat all the candies?

It takes Mr. White 20 minutes to eat all of the candies.

2. How many candies does Mr. White have left after 5 minutes?

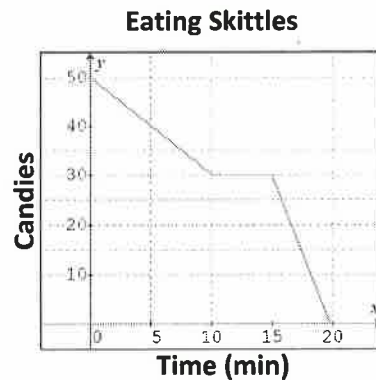
Mr. White has 40 candies left after 5 minutes.

3. How long does it take Mr. White to eat his last 30 candies?

It takes Mr. White only 5 minutes to eat his last 30 candies.

4. How many candies does Mr. White eat in the first 10 minutes?

Mr. White eats 20 candies in the first 10 minutes.



5. When Mr. White is eating candies the fastest, how many candies does he eat every minute?

$$\frac{30 \text{ candies}}{5 \text{ min}} = 6 \text{ candies/min}$$

Mr. White eats 6 candies per minute whenever he's eating candies the fastest.