

## RATIO &amp; PROPORTION 2

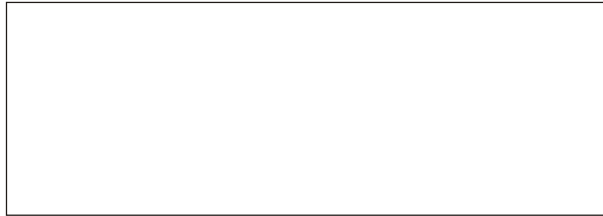
1. If you can eat 5 hot dogs in 3 minutes, how long would it take for 60 hot dogs to be eaten?

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2. A student skate-boarded 242 km in 16 days. At this rate, how far would the student travel in 24 days?

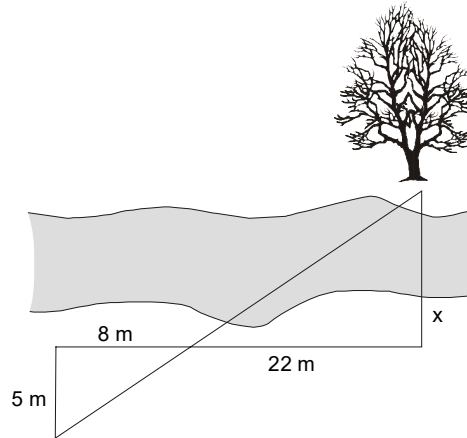
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3. The following is a scale diagram for a backyard. Mario wants to know the length and width of the yard so that he can build a fence. (the scale is 1:375)



4. A painter wants to determine how high a building is. He knows the building's shadow is 28 m. The painter's height is 1.8 m and his shadow's length is 2.4 m. Using similar triangles, find the building's height.

5. Find the distance,  $x$ , across the creek.



## ANSWER KEY

1. 36 minutes
2. 363 km
3. length = 3000 cm or 30 m, width = 1125 cm or 11.25 m
4. 21 m
5. 13.75 m

Source: Government of BC used with permission.