## Unit Conversion 2 - Unit Rates

What is a unit rate? Give 3 examples of unit rates that you've encountered in your life.

Convert the following to unit rates and tie them to real-world situations
Example: 18 km in $3 \mathrm{~h}=6 \mathrm{~km} / \mathrm{h} \quad \mathrm{I}$ ran at $6 \mathrm{~km} / \mathrm{h}$

1) 9 kg for 9 L (liquid)
2) $\$ 5$ for $31 b s$ (food)
3) $\$ 1.99$ for 100 g (food)
4) $\$ 1.99$ for 0.25 kg (food)
5) 100 m in 9.58 s (Bolt)
6) $\$ 700$ for 40 h
7) 55 g for $7 \mathrm{~cm}^{3}$ (iron)
8) 40000 km in 24 h (Earth)
9) 40 for $\$ 7.99$ (Tim Hortons)
10) 35 g for 1000 mL (ocean)
11) 5373 km in 143 day (Terry)
12) 100 km for 6 L (car)
13) $\$ 12$ for 15 songs
14) $\$ 110$ for 90 min
15) 10 cups over 5 h
16) $\$ 5.99$ for 4 L
17) $\$ 3.09$ for 12
18) $\$ 15$ for 8 slices
19) 9500000000000 km in 365day
20) 1 USD for 1.31 CAD

## Create the unit rate from the given scenario

a) Mr. Ridge ate 19 doughnuts over 5 days.
b) Mr. Ridge walked 36000 steps in 9 hours.
c) Mr. Ridge cooked 400 g of rice with 650 mL of water.
d) Mr. Ridge went thrift shopping and bought 6 items for $\$ 25$.
e) Mr. Ridge ran 1000 m in 210 s .
f) Mr. Ridge watched 400 h of TV over 365day.

