Name:	Block:

## **Unit Conversion 2 - Unit Rates**

What is a <u>unit rate</u>? 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: 18km in 3h = 6km/h I ran at 6km/h

- 1) 9kg for 9L (liquid)
- 2) \$5 for 3lbs (food)
- 3) \$1.99 for 100g (food)
- 4) \$1.99 for 0.25kg (food)
- 5) 100m in 9.58s (Bolt)
- 6) \$700 for 40h
- 7) 55g for 7cm<sup>3</sup> (iron)
- 8) 40 000km in 24h (Earth)
- 9) 40 for \$7.99 (Tim Hortons)
- 10) 35g for 1000mL (ocean)
- 11) 5373km in 143day (Terry)
- 12) 100km for 6L (car)
- 13) \$12 for 15 songs
- 14) \$110 for 90min

15) 10 cups over 5h	
16) \$5.99 for 4L	
17) \$3.09 for 12	
18) \$15 for 8 slices	
19) 9 500 000 000 000km in 365day	
20) 1USD for 1.31CAD	
Create the unit rate from the given scenario	
a) Mr. Ridge ate 19 doughnuts over 5 days.	
b) Mr. Ridge walked 36 000 steps in 9 hours.	
c) Mr. Ridge cooked 400g of rice with 650mL of water.	
d) Mr. Ridge went thrift shopping and bought 6 items for \$25.	
e) Mr. Ridge ran 1000m in 210s.	
f) Mr. Ridge watched 400h of TV over 365day.	