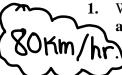
Unit 5: Percent, Ratio, and Rate





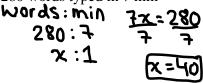
Write a unit rate for each statement.

a) 560 km travelled in 7 h 560Km



c) 280 words typed in 7 min

40 words/min



Banana chips sell for 44¢ per 100 g. How much would 450 g of banana chips cost?

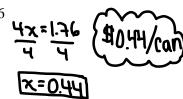


5: \$1.65 1: 2

$$\frac{100 \times = 198}{100}$$

b) 4 cans of beans for \$1.76

Cans: cost



d) \$786 earned in 6 weeks

\$786: Gweeks



\$13/week

Which is the greatest average speed? **b**) 96 km in 4 h a) 78 km in 3 h

- 26 km/hr.
- 96:4

- 24km/hr.
- Which is the better buy?
 - a) 5 oranges for \$1.65 or 8 oranges for \$2.77

c) 125 km in 5 h

- **b)** 2 L of lemonade for \$2.56 or 1 L for \$1.56 or 1 L for \$1.50 or 1 L fo
 - \$11.28/L 1: x
 - 3 kg of apples for \$5.70 or 2 kg for \$3.90
 - 3Kg: 5.70
 - \$1.90/kg
- 2kq: \$3.90 IK9: X x=1.95

A 2.5-kg bag of flour contains enough flour to make 4 cakes.

- a) How much flour is needed to make 50 cakes?
 - 31.25kg of flour needed for 50 cakes.
- Kq: cakes 25:4 x:50

b) How many bags of flour do you need?

31.25 - 2.5 - 12.5

you will need 13 bags of flour.



Ned types 360 words in 6 min. Nate types 220 words in 4 min. Who would type more words in 10 min? What assumptions do you make?

Ned words: min	6x=3600
360:6	6 6 b
x :10	x=600

ate	
220:4	
X :10	
4×= "	2200
	X = 350
red 26 goa	IS.

Ned would type more words in 40 minutes.

- In the first 8 games of the hockey season, Moira scored 26 goals.
 - a) On average, how many goals did Moira score per game?

Moira Scored approx. 3 goals/game.

b) At this rate, how many goals will Moira score in 20 games?

- The courier travelled 508 km in 8 h.
 - a) What was the average speed?

508km: 8hr.
$$\times = 63.5$$

64 Km/hr.

b) At this rate, how long will it take the courier to travel 889 km?

$$508 \text{ km} : 8 \text{hr}. \qquad 508 \times = 3$$

 $889 \text{ km} : \times \times = 14$

It will take 14hrs. to travel 889km.

- Benny's cat will eat 2 different brands of cat food. Brand A costs \$6.99 for a 1.3-kg bag. Brand B costs \$16.99 for a 4.5-kg bag.
 - a) Find the unit cost of each brand of cat food. Which brand is the better buy?

b) Why might Benny not buy the brand in part a?

Brand A \$6.99:1.3K9 \mathbf{x} : \mathbf{l}

 $\frac{1.3}{1.3}$ $\times = 6.99$

Brand B \$16.99:45Kg X : | Kq x = 3.78\$ 3.78/Kg.

- Quality - amount needed - Cat preference.