

Date: _____

Mathlete: _____

Rate & Ratio

You may use a calculator

Determine the unit rate.

A whale swims 220 km in 4 hours:

Dylan plants 90 tulips in 45 minutes:

\$192.50 for 14 hours:

12 granola bars for \$9.96:

Jet speed 2184 km in 3.5 hours:

Determine the unit price:

1.89 L juice for \$5.49:

500ml of milk for \$129:

700 grams of peanuts for \$4.83:

Three cups of flour are needed to make 60 cookies. How many cookies can be made with 8 cups of flour?

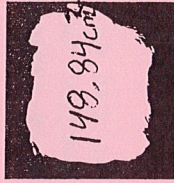
Not Yet Almost Got It!

Square Roots & Numbers

Give an example of any square number.

Give an example of a number that has a square root greater than 7 but less than 8.

This square has an area
What is the side length



of 148.84 cm^2 .
of the square?

If a perfect square has a side length of 13 cm, what is the area of the square?

Estimate the square root of 35 without using a calculator

Write the prime factorization of 205 and 200. Explain which number is a perfect square and what the square root is. Show your work and do not use a calculator

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Percent

150% of 35 =

0.2% of 80 =

$3 \frac{1}{10}$ % of \$20000 =

Fraction	Decimal	Percent
12/40		
	87.25	
		0.0125%
2/1000		
		280%
8/5		
		0.68%

In BC the real estate agent receives 7% on the first \$100 000 of a house's selling price and 2½ % on the remaining amount. If a house sells for \$1.2 million how much does the agent make?

Not Yet Almost Got It!