Grade 9 Warm Up

Worksheet: To be handed in (Do it on your own...and no notes)

1) Determine the missing number in each division statement.

a) ____ ÷ 7.25 = 2.1

15.225 ×

b) ____ x −0.7 =0.896

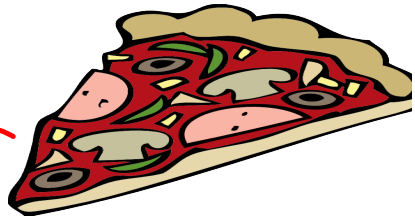
−1.28 ÷ −0.7

c) $\frac{91}{42} \div \square = \frac{13}{7}$

$\frac{91}{42} \div \frac{13}{7} = \frac{91}{42} \times \frac{7}{13} = \frac{1}{6}$

Word Problems

1) A pizza cost $25.98. If 27 people are sharing the cost, what was the cost for each person?



$\frac{7}{6}$

25.98 ÷ 27

$0.96

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1) Determine the missing number in each division statement.

a) $\_\_\_ \div 7.25 = 2.1$

15.225

b) $\_\_\_ \times -0.7 = 0.896$ ÷ −0.7

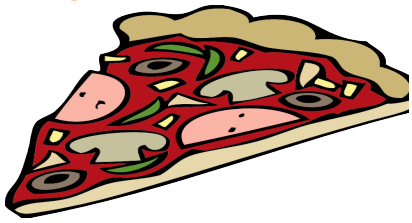
−1.28

c) $\frac{91}{42} \div \square = \frac{13}{7}$

$\frac{91}{42} \div \frac{13}{7} = \frac{91}{42} \times \frac{7}{13}$ (7 → 1, 6 → 1)

Word Problems

1) A pizza cost $25.98. If 27 people are sharing the cost, what was the cost for each person?



$\frac{7}{6} \times \frac{1}{1} = \frac{7}{6}$

$25.98 \div 27$

$0.96

Calculator Use

$(2)^4 = 2 \times 2 \times 2 \times 2$

$= 16$

$x^2 \quad x^3$

Use x^y or y^x or ^ for exponents on calculators

$(3)^2$

3×3

9

$(-3)^2$

$(-3)(-3)$

9

-3^2

$-(3 \times 3)$

-9

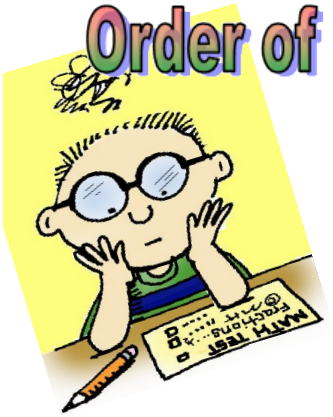
$(-2)^3$

$(-2)(-2)(-2)$

-8

Section 3.6

Order of Operations with Rational Numbers



Remember from operations

"BEDMAS".....order of

In the order that they appear

Recall

Evaluate the following

1) $(-5) - 3[18 \div (-3)]^2$

#1

$(-5) - 3(-6)^2$

#2

$(-5) - 3(36)$

#3

$(-5) - 108$

#4

-113