

Unit One Review

Learning Goal: Review all topics that fall in our first unit of study.

Please download the pdf classnotes and try the questions in advance, or pause each question BEFORE I do the solutions.

Review Topics

Integers and BEDMAS

$$(-9)(-3) + (5)^2$$

$$4 - (-5)$$

Adding - Subtracting Fractions

- common denominator is a MUST
- can be done with improper or mixed fractions

$$4\frac{5}{8} - 2\frac{1}{2} + 1\frac{11}{16}$$

Multiplying - Dividing Fractions

- common denominator is NOT required
- can be done with improper (better) or mixed fractions (area model)

$$2\frac{1}{2} \times 1\frac{3}{8}$$

$$3\frac{3}{4} \div 1\frac{1}{2}$$

BEDMAS and Fractions

$$\left(\frac{3}{5} + \frac{7}{15}\right) \div \left(1\frac{3}{5}\right)$$

Equations

Solve (SAMDEB)

$$3a + 7 = -20$$

$$\frac{2}{5}a + 1 = -5$$

Ratios

Solve for the missing value.

$$a:9 = 12:36$$

$$2:n:14 = m:22:7$$

Percent

What is 55% of 420?

A surf board is regularly \$480.00 but is on sale for 25% off.
What is the TOTAL cost including the 13% sales tax?

Task - Review