

Computation Go!

Gotta solve 'em all!

Due September 2

Name: KEY

ENTER YOUR GRADE HERE

Grade: 12



Divide. Express your quotient to the nearest tenth.

$$147 \div 25$$

$$\begin{array}{r} 5.88 \\ 25 \overline{) 147.00} \\ \underline{-125} \\ 220 \\ \underline{-200} \\ 200 \\ \underline{-200} \\ 0 \end{array}$$

5.88
5.9



Add. Express the sum in simplest form.

$$\frac{4}{5} + 2\frac{2}{3}$$

$$\frac{4}{5} \cdot \frac{3}{3} + 2 + \frac{2}{3} \cdot \frac{5}{5}$$

$$\frac{12}{15} + 2 + \frac{10}{15}$$

$$2\frac{22}{15}$$

$$2 + 1 + \frac{7}{15}$$

$$3\frac{7}{15}$$



$$19.4 - 7.86$$

$$\begin{array}{r} 8 \\ 19.40 \\ \underline{-7.86} \\ 11.54 \end{array}$$

Check:

$$\begin{array}{r} 11.54 \\ +7.86 \\ \hline 19.40 \checkmark \end{array}$$

$$11.54$$



$$34 - 17 + 2$$

$$17 + 2$$

$$19$$



Subtract. Express the difference in simplest form.

$$9\frac{3}{4} - 7\frac{1}{2}$$

$$9\frac{3}{4} = 9\frac{3}{4}$$

$$-7\frac{1}{2} = -7\frac{2}{4}$$

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



$$6 + (-8) = -2$$

$$2 - 6$$

$$2 + (-6) = -4$$

$$6 \times (-4) = -24$$

$$-4 \div 2 = -2$$

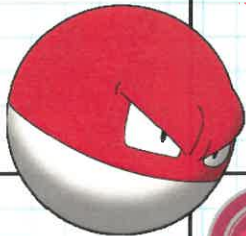


Order this set of numbers from least to greatest.

3.111, 3.011, 3.101, 3.11

3.111
3.011 ✓
3.101 ✓
3.110 ✓

3.011, 3.101, 3.11, 3.111



Complete the table below. All fractions should be written in simplest form.

Fraction	Decimal	Percent
$\frac{3}{5}$	0.6	60
$\frac{9}{10}$	0.9	90
$\frac{2}{5}$	0.4	40%

$$0.6 = \frac{6}{10} = \frac{3}{5}$$

$$\frac{9}{10} = 0.9$$

$$\frac{6}{10} = \frac{60}{100} = 60\%$$

$$\frac{9}{10} = \frac{90}{100} = 90\%$$

$$40\% = \frac{40}{100} = 0.40 = 0.4$$



Find 20% of 80.

10% of 80 = 8
so 20% of 80 = 16

%	#
10%	80
10%	8
20%	16

-OR-
 $0.2(80)$

16



0.3×0.05

$$\begin{array}{r} 0.3 \\ \times 0.05 \\ \hline .015 \end{array}$$

-OR-

$$\frac{3}{10} \times \frac{5}{100}$$

$$3 \cdot \frac{1}{10} \cdot 5 \cdot \frac{1}{100}$$

$$3 \cdot 5 \cdot \frac{1}{10} \cdot \frac{1}{100}$$

$$15 \cdot \frac{1}{1000} = \frac{15}{1000}$$

0.015



Multiply. Express your product in simplest form.

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

$\frac{3}{8}$



$9.6 \div 3$

$$\begin{array}{r} 3.2 \\ 3 \overline{)9.6} \\ \underline{-9} \\ 06 \\ \underline{-6} \\ 0 \end{array}$$

3.2

-OR-

$$\frac{1}{3} \text{ of } 9.6$$

$$\frac{1}{3} \cdot 9 + \frac{1}{3} \cdot 0.6$$

$$3 + 0.2$$

3.2

