

Computation Go!

Gotta solve 'em all!

Due September 4

Name: KEY

Grade: 12



Divide. Express your quotient to the nearest tenth.

147 ÷ 25

Handwritten long division for 147 ÷ 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.

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

Handwritten work for $\frac{4}{5} + 2\frac{2}{3}$:

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

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

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

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

3 $\frac{7}{15}$



19.4 - 7.86

Handwritten subtraction for 19.4 - 7.86:

$$\begin{array}{r} 8 13 10 \\ 19.40 \\ \underline{-7.86} \\ 11.54 \end{array}$$

Check:

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

11.54



34 - 17 + 2

Handwritten work for 34 - 17 + 2:

$$17 + 2$$

19



Subtract. Express the difference in simplest form.

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

Handwritten work for $9\frac{3}{4} - 7\frac{1}{2}$:

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

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

2 $\frac{1}{4}$



6 + (-8) = -2

2 - 6 = -4

6 × (-4) = -24

-4 ÷ 2 = -2

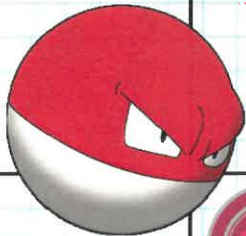


Order this set of numbers from least to greatest.

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

70	#
100	80
10	8
20	16

 $\div 10$ $\div 10$
 $\times 2$ $\times 2$ -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-

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

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

$3 + 0.2$

3.2

