

Geometry

1.1 - Numbers

For each of the following, indicate which of the properties correctly identify the number:

57.8

- ☐ real
- ☐ rational
- ☐ integer
- ☐ irrational

3

- ☐ real
- ☐ rational
- ☐ integer
- ☐ irrational

.3333...

- ☐ real
- ☐ rational
- ☐ integer
- ☐ irrational

3.1415927...

- ☐ real
- ☐ rational
- ☐ integer
- ☐ irrational

Simplify each expression:

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

$$-2(15 - 2 + 20)$$

Simplify each expression using the order of operations:

$$2 + 60 / 4 + 3 * 10$$

$$10 / 2 * 5 + 16 / 4$$

1.2 - Decimals

Perform the indicated operation for each set of decimals:

$32.456 + 18.1$

$$\begin{array}{r} 32.456 \\ + 18.1 \\ \hline \end{array}$$

$19 - 16.7$

$32.0 * 4.1$

$6.3 / 2.1$

$15.5 + 8.02 - 0.1$

$44 - 32$

$0.08 - 4.4$

1.3 - Fractions

In each of the following pairs, circle the expression with the bigger value:

$\frac{1}{3} \text{ or } \frac{14}{29}$

$\frac{55}{66} \text{ or } \frac{5}{6}$

$\frac{123}{456} \text{ or } \frac{3}{11}$

$-\frac{5}{6} \text{ or } .01$

Perform the indicated operation:

$\frac{1}{3} + \frac{2}{5}$

$\frac{1}{3} + \frac{4}{6}$

$\frac{18}{4} - \frac{5}{8}$

$\frac{3}{5} * \frac{4}{13}$

$\frac{6}{7} - \frac{1}{7}$

$\frac{1}{3} / \frac{1}{3}$

$\frac{52}{64} - \frac{3}{4}$

$0.18 + \frac{1}{2}$