

1.9 & 2.8

ABSOLUTE VALUE & RECIPROCAL

OPPOSITES

$$-(4) = -4$$

The opposite of 4 is negative 4

$$-(-4) = 4$$

The opposite of -4 is 4

KINDS OF NUMBERS

WHOLE NUMBERS

INTEGERS

POS. OR NEG NUMBERS

REAL NUMBERS

RECIPROCAL

WHERE DOES THE NEGATIVE GO?

$$\begin{aligned} &-\frac{1}{6} \\ = &\frac{-1}{6} & = &\frac{1}{-6} \end{aligned}$$

RECIPROCAL

FIND THE RECIPROCAL OF THE FOLLOWING:

1) $\frac{3}{5}$

4) $-1\frac{2}{3}$

2) 6

5) -1.3

3) $2\frac{3}{4}$

RECIPROCAL

SPECIAL PROPERTY OF RECIPROCAL

$$\frac{3}{5} \times \frac{5}{3} = 1$$

ABSOLUTE VALUE

The distance away from the number 0

$$|-7|$$

The absolute value of -7

$$|-7| = 7$$

$$|7| = 7$$

ABSOLUTE VALUE

Simply the following:

1) $|-7| + |5|$

2) $|-15| + 8|-3|$

ABSOLUTE VALUE

Solve.

3) $|x| = 3$