

## Bell Ringers

1. Name all the sets of numbers to which  $6/11$  belongs.

Rational - it's a repeating decimal.

2. Solve, round to the nearest tenth.  $4y^2 = 5.76$

$$y = \pm 1.2$$

## Ratio Notes

**Ratio** - a comparison of two quantities using division.  
- usually written as a fraction in simplest form.

Ratios can show the following relationships

- 1) part to part
- 2) part to whole
- 3) whole to part

When writing a ratio involving measurements, both quantities **MUST** have the same unit. May need to complete a conversion.

Express the ratio as a fraction in simplest form.

1. Lilly converted 16 kills from 24 sets in her volleyball match.

$$\frac{16}{24} \div 8 \quad \frac{2}{3}$$

2. Baseball stats: 12 singles, 8 doubles, 4 triples, and 2 homeruns.

a) singles to triples  $\frac{12}{4} \div 4 \quad 3 \text{ to } 1$

b) homeruns to total hits  $\frac{2}{26} = \frac{1}{13}$

3. At Kohls, 25 out of 30 shoppers were women. Express the ratio as a fraction in simplest form. Explain the meaning.

$$\frac{25}{30} \div 5 = \frac{5}{6} \quad \text{About } 83\%$$

For every 6 shoppers, 5 are women.

Most of the shoppers at Kohls are women.

4. Express the ratio 21 inches to 2 yards as a fraction in simplest form.

36 in in 1 yard

$$\frac{21}{72} \div 3 \quad \left( \frac{7}{24} \right)$$