

WarmUp : Ch 3 review

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1. Express 25:45 as a fraction in simplest form
2. Express 4 feet:144 inches as a percent
3. Solve  $\frac{4}{7} = \frac{6.2}{d}$
4. Express 29% as a decimal
5. Find 6% of \$830

# Notes: 6-4 Rational Numbers

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Natural Numbers: 1, 2, 3, 4, 5... (counting #s)

Whole Numbers: 0, 1, 2, 3, 4, 5... 0

Integers: ... -2, -1, 0, 1, 2, ... Negatives

\* Rational Numbers: ... -2, -1, 0, 1, 2 ... fractions + decimals

ex:  $\frac{1}{4}$  0.25

$\frac{1}{3}$  0.24

Irrational Numbers: #s that decimal doesn't repeat or end

ex:  $\pi$   $\sqrt{47}$  \* square roots of numbers that are NOT perfect squares \*

Try This: HW if not completed

- Write an example of rational number but not integer
  - Express  $\frac{30}{50}$  in simplest form
- What set of numbers does each belong (list all that apply)

- 1  $\frac{3}{4}$
- 2 -45
- 3 7.7
- 4 -0.9
- 5 2
- 6 0

