

6.2a Comparing & Ordering Frac., Dec., Percents

Ex. 1 Which is greater  $\frac{3}{20}$  or  $16\%$  ?

$$\frac{3}{20} \cdot \frac{5}{5} \cdot \frac{100\%}{1} = 15\%$$

16% is greater.

Ex. 2 Which is greater  $79\%$  or  $0.08$  ?

$$\cancel{79\%} = 0.79 \quad \boxed{79\% \text{ is greater.}}$$

Ex. 3 Which is greater  $27\%$  or  $\frac{7}{25}$  ?

$$27\% \rightarrow \frac{27}{100} \quad \frac{7}{25} \cdot \frac{4}{4} = \frac{28}{100} \quad \boxed{\frac{7}{25} \text{ is greater.}}$$

Ex. 4 Soccer shooting competition

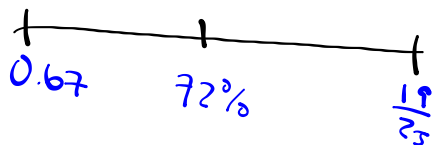
You:  $72\% \rightarrow 72\%$

Sister:  $\frac{19}{25} \cdot \frac{4}{4} \cdot \frac{100\%}{1} \rightarrow 76\%$

Friend:  $0.67 \rightarrow 67\%$

Who wins if 100 shots were taken?

Your sister wins!



CW: WB p. 117 & 120

HW: p. 224 #5-21