

24. Comparing Decimals

a)

Comparing decimals: first compare the **whole number part**, then compare the **decimal part** (left to right)

$$0.5 \text{ ? } 0.3 \rightarrow 5/10 \text{ ? } 3/10 \rightarrow 0.5 > 0.3$$

$$0.47 \text{ ? } 0.52 \rightarrow 47/100 \text{ ? } 52/100 \rightarrow 0.47 < 0.52$$

$$1.3 \text{ ? } 0.9 \rightarrow \text{whole number part } 1 > 0 \rightarrow 1.3 > 0.9$$

b)

$$0.8 \text{ ? } 0.6 \rightarrow \text{ } /10 \text{ ? } \text{ } /10 \rightarrow \text{ }$$

$$0.35 \text{ ? } 0.28 \rightarrow \text{ } /100 \text{ ? } \text{ } /100 \rightarrow \text{ }$$

$$2.1 \text{ ? } 1.9 \rightarrow \text{whole number part } \text{ } > \text{ } \rightarrow \text{ }$$

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c)

$$0.4 \text{ ? } 0.7 \rightarrow \boxed{} / 10 \text{ ? } \boxed{} / 10 \rightarrow \boxed{}$$

$$0.91 \text{ ? } 0.89 \rightarrow \boxed{} / 100 \text{ ? } \boxed{} / 100 \rightarrow \boxed{}$$

$$3.6 \text{ ? } 3.4 \rightarrow \text{whole number part } \boxed{} \text{ ? } \boxed{} \rightarrow \boxed{}$$

d)

$$0.2 \text{ ? } 0.5 \rightarrow \boxed{} / 10 \text{ ? } \boxed{} / 10 \rightarrow \boxed{}$$

$$0.73 \text{ ? } 0.77 \rightarrow \boxed{} / 100 \text{ ? } \boxed{} / 100 \rightarrow \boxed{}$$

$$4.8 \text{ ? } 5.2 \rightarrow \text{whole number part } \boxed{} \text{ ? } \boxed{} \rightarrow \boxed{}$$

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e)

$$\begin{aligned} 0.6 & ? 0.9 \rightarrow \square / 10 ? \square / 10 \rightarrow \square \\ 0.44 & ? 0.44 \rightarrow \square / 100 ? \square / 100 \rightarrow \square \\ 2.5 & ? 2.05 \rightarrow \text{whole number part } \square ? \square \rightarrow \square \end{aligned}$$

f)

Xiao Ming jumped 1.3 meters, Xiao Hong jumped 1.6 meters.

Who jumped farther?

$$1.3 ? 1.6 \rightarrow \text{whole number part } \square ? \square \rightarrow \square$$