

2. Compare the two expressions using $<$, $>$, or $=$.

For each, explain how you can find the **exact** answer **without doing all the math**.
HINT: Remember to look at the words – what does *40 twelves mean*? What is *doubled*?

a. $20 \times (5 \times 6)$ $\textcircled{<}$ 100×7

I know $20 \times 5 = 100$, therefore 100×6 is less than 100×7 .

b. 36×12 $\textcircled{>}$ 40 twelves – 5 twelves

40 twelves – 5 twelves is equal to 35 twelves.

36 twelves is greater than 35 twelves.

c. 9×8 $\textcircled{=}$ 4 nines, doubled

4 doubled is 8, therefore

$$8 \text{ nines} = 8 \times 9$$

$$8 \times 9 = 9 \times 8$$