

c) A manufacturer is making 100 times as many bows as Tess to sell in stores nationwide. **Write an expression using exponents** to show how many yards of ribbon the manufacturer will need. *Do not calculate the total.*

STEP 1: How many bows is Tess making? 12

STEP 2: How would we find 100 times as many?

$$\underline{12} \times \underline{100}$$

STEP 3: How do we write that with exponents?

$$12 \times 10^2$$