Name: .... Class: ....
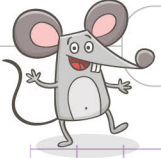
Scaling whole numbers by fractions. Justify your answer

Choose the correct sign to compare the expressions below >, < or =
and explain why your answer is correct by filling the blank spaces using the
following words: **smaller, less than 1, larger, greater than 1**

a. $10 \times \dfrac{3}{4}$ ⬚ 10

Since ¾ is _____, multiply **10** by ¾ makes the value _____.

b. $6 \times \dfrac{9}{5}$ ⬚ 6

Since ⁹⁄₅ is _____, multiply **6** by ⁹⁄₅ makes the value _____

c. 12 ⬚ $12 \times \dfrac{2}{5}$

Since ²⁄₅ is _____,

d. 7 ⬚ $7 \times \dfrac{3}{2}$

e. $17 \times \dfrac{5}{4}$ ⬚ 17
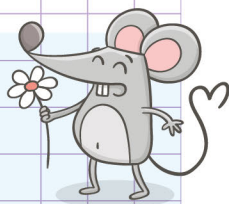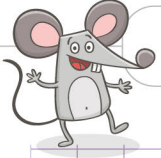
mathskills4kids

Name: .... Class: ....

Scaling whole numbers by fractions. Justify your answer

Choose the correct sign to compare the expressions below $>$, $<$ or $=$ and explain why your answer is correct by filling the blank spaces using the following words: **smaller, less than 1, larger, greater than 1**

a. $10 \times \dfrac{3}{4}$ $<$ 10

Since $\frac{3}{4}$ is **less than 1**, multiply **10** by $\frac{3}{4}$ makes the value **smaller**.

b. $6 \times \dfrac{9}{5}$ $>$ 6

Since $\frac{9}{5}$ is **greater than 1**, multiply **6** by $\frac{9}{5}$ makes the value **larger.**

c. 12 $>$ $12 \times \dfrac{2}{5}$

Since $\frac{2}{5}$ is **less than 1**, multiply **12** by $\frac{2}{5}$ makes the value **smaller.**

d. 7 $<$ $7 \times \dfrac{3}{2}$

Since $\frac{3}{2}$ is **greater than 1**, multiply **7** by $\frac{3}{2}$ makes the value **larger.**

e. $17 \times \dfrac{5}{4}$ $>$ 17

Since $\frac{5}{4}$ is **greater than 1**, multiply **17** by $\frac{5}{4}$ makes the value **larger.**