

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**

1.  $10 \times \frac{3}{4}$    $15$

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

2.  $4 \times \frac{9}{5}$    $4$

Since  $\frac{9}{5}$  is \_\_\_\_\_, multiply **6** by  $\frac{9}{5}$  makes the value \_\_\_\_\_

3.  $26$    $26 \times \frac{2}{5}$

Since  $\frac{2}{5}$  is \_\_\_\_\_,

4.  $19$    $19 \times \frac{3}{2}$

5.  $34 \times \frac{5}{4}$    $34$

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1.  $10 \times \frac{3}{4} < 15$

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

2.  $4 \times \frac{9}{5} > 4$

Since  $\frac{9}{5}$  is greater than 1, multiply 4 by  $\frac{9}{5}$  makes the value larger.

3.  $26 > 26 \times \frac{2}{5}$

Since  $\frac{2}{5}$  is less than 1, multiply 26 by  $\frac{2}{5}$  makes the value smaller.

4.  $19 < 19 \times \frac{3}{2}$

Since  $\frac{3}{2}$  is greater than 1, multiply 19 by  $\frac{3}{2}$  makes the value larger.

5.  $34 \times \frac{5}{4} > 34$

Since  $\frac{5}{4}$  is greater than 1, multiply 34 by  $\frac{5}{4}$  makes the value larger.