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

Multiply unit fractions by whole numbers: sorting

Sort each expression below into the correct box by comparing each product to one.

a. $\frac{1}{6} \times 2$, $\quad 5 \times \frac{1}{6}$, $\quad \frac{1}{6} \times 6$, $\quad 3 \times \frac{1}{6}$

less than 1		equal to 1		greater than 1

b. $\frac{1}{8} \times 10$, $\quad 4 \times \frac{1}{8}$, $\quad \frac{1}{8} \times 11$, $\quad 8 \times \frac{1}{8}$, $\quad 3 \times \frac{1}{8}$

less than 1		equal to 1		greater than 1

c. $\frac{1}{17} \times 5$, $\quad 17 \times \frac{1}{17}$, $\quad \frac{1}{17} \times 29$, $\quad 9 \times \frac{1}{17}$, $\quad \frac{1}{17} \times 30$

less than 1		equal to 1		greater than 1

mathskills4kids

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

Multiply unit fractions by whole numbers: sorting

Sort each expression below into the correct box by comparing each product to one.

a. $\frac{1}{6} \times 2$, $5 \times \frac{1}{6}$, $\frac{1}{6} \times 6$, $3 \times \frac{1}{6}$

less than 1		equal to 1		greater than 1

To solve this, we have to find the product of each expression, then compare it to 1.

$\frac{1}{6} \times 2 = \frac{2}{6} = \frac{1}{3}$

You see that, $\frac{1}{3}$ is less than 1. So, $\frac{1}{6} \times 2$ should be placed under the less than 1 box.

$5 \times \frac{1}{6} = \frac{2}{6} = 1$

You see that, $1\frac{1}{6}$ is greater than 1. So, $5 \times \frac{1}{6}$ should be placed under the greater than 1 box.

$\frac{1}{6} \times 6 = \frac{1}{6} = 1$

You see that, 1 is equal to 1. So, $\frac{1}{6} \times 6$ should be placed under the equal to 1 box.

$3 \times \frac{1}{6} = \frac{1}{6} = \frac{1}{6}$

You see that, $\frac{1}{6}$ is less than 1. So, $3 \times \frac{1}{6}$ should be placed under the less than box.

less than 1		equal to 1		greater than 1
$\frac{1}{6} \times 2$		$\frac{1}{6} \times 6$		$5 \times \frac{1}{6}$, $3 \times \frac{1}{6}$

b. $\frac{1}{8} \times 10$, $4 \times \frac{1}{8}$, $\frac{1}{8} \times 11$, $8 \times \frac{1}{8}$, $3 \times \frac{1}{8}$

less than 1		equal to 1		greater than 1
$4 \times \frac{1}{8}$, $3 \times \frac{1}{8}$		$8 \times \frac{1}{8}$		$\frac{1}{8} \times 10$, $11 \times \frac{1}{8}$

c. $\frac{1}{17} \times 5$, $17 \times \frac{1}{17}$, $\frac{1}{17} \times 29$, $9 \times \frac{1}{17}$, $\frac{1}{17} \times 30$

less than 1		equal to 1		greater than 1
$\frac{1}{17} \times 5$, $9 \times \frac{1}{17}$		$17 \times \frac{1}{17}$		$\frac{1}{17} \times 30$, $29 \times \frac{1}{17}$