Multiplying fractions and mixed numbers by whole numbers:

When multiplying a fraction by a whole number, multiply the numerator and whole number together.

Example 1:

$\frac{2}{7} \times 3 = \frac{6}{7}$

$3 \times \frac{2}{7}$ is the same as $\frac{2}{7} + \frac{2}{7} + \frac{2}{7}$

Example 2:

$\frac{2}{5} \times 4 = \frac{8}{5} = 1\frac{3}{5}$

Write your answer as a mixed number if you are able

To multiply a mixed number by a whole number, partition the mixed number.

$3\frac{2}{5} \times 8 =$

$3 \times 8 = 24$

$\frac{2}{5} \times 8 = \frac{16}{5} = 3\frac{1}{5}$

$3\frac{2}{5} \times 8 = 24 + 3\frac{1}{5} = 27\frac{1}{5}$

Remember: You can not write your answer as a mixed number that includes an improper fraction.

$24\frac{16}{5}$ is NOT acceptable as an answer.

$27\frac{1}{5}$ or $\frac{136}{5}$ are both acceptable.