6.NS How Many Batches/What Fraction of a Batch?

Task

A batch of cookies requires 2 cups of flour. How many cups are needed for 3 batches? Here are a diagram and a multiplication equation that represent this situation:

Draw a diagram and write a multiplication equation for each situation.

a. A batch of cupcakes requires $1 \frac{1}{2}$ cups of flour. How many cups are needed for 3 batches?

b. A batch of bread requires 3 cups of flour. How many cups are needed for $\frac{1}{2}$ of a batch?

c. A batch of rolls requires $2 \frac{1}{2}$ cups of flour. How many cups are needed for $1 \frac{1}{2}$ batches?

A batch of cookies requires 2 cups of flour. How many batches can you make with 8 cups of flour? Here are a diagram and a division equation that represent this situation:
Draw a diagram and write a division equation for each situation.

d. A batch of cupcakes requires $1 \frac{1}{2}$ cups of flour. How many batches can you make with 9 cups of flour?

e. A batch of bread requires 3 cups of flour. How many batches can you make with 2 cups of flour?

f. A batch of rolls requires $2 \frac{1}{2}$ cups of flour. How many batches can you make with 4 $\frac{1}{2}$ cups of flour?