



Fraction Models Word Problems Assignment

Directions: For each problem below, draw a model to show the solution to the problem. Check your answer by solving with multiplication.

- 1) Joelle spent $1\frac{1}{2}$ hours studying for her science test. Raleigh studied for $\frac{3}{4}$ of Joelle's time. What fraction of an hour did Raleigh spend studying?

Model:

Check with multiplication:

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- 2) $\frac{5}{10}$ of the students in Sam's class are girls. Of the girls, $\frac{1}{5}$ of them wear glasses. What fraction of all the students wear glasses and are girls?

Check with multiplication:



- 3) Dima's mom went to the bakery and bought 18 donuts.

$\frac{1}{2}$ of the donuts were chocolate. Dima's family ate $\frac{1}{3}$ of the chocolate donuts but didn't eat any other kind.

What fraction of the donuts did they eat?

Model:

Check with multiplication:

- 4) James is supposed to feed his dog $1\frac{1}{3}$ cups of dog food every day. James doesn't want his dog to eat all of the food at once, so he only gives him half of the food in the morning. What fraction of the food does James give his dog in the morning?

Model:

Check with multiplication: