



## Word Problems: Unit Fractions of Sets

Grade 5

Name: \_\_\_\_\_

Fractions:  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$  only. One step only. **Example:** Find  $\frac{1}{4}$  of 12.  $12 \times \frac{1}{4} = 3$ . Answer: 3 apples.

(1) A library has 360 books.  $\frac{1}{3}$  of them are fiction books. How many non-fiction books are there?

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(2) A car traveled 480 miles.  $\frac{1}{4}$  of the journey was through mountains. How many miles were not through mountains?

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(3) You have \$250. You spent  $\frac{1}{5}$  of your money on groceries. How much money do you have left?

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(4) A bag of flour weighs 400 grams.  $\frac{1}{8}$  of the flour was used for baking. How many grams of flour are left?

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(5) There are 180 students in a school.  $\frac{1}{3}$  of them are in the fifth grade.  $\frac{1}{2}$  of the fifth graders are girls. How many fifth-grade girls are there?

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(6) A farmer planted 450 vegetable plants.  $\frac{1}{10}$  of them were tomato plants. The rest were pepper plants. How many more pepper plants than tomato plants did the farmer plant?

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