



Fraction word problems: Fraction Word Problems: Multiplication

Grade 5

Name: _____

Solve problems by multiplying fractions by whole numbers.

Example: There are 4 plates. Each plate has $\frac{1}{2}$ of a pie. How much pie is there in total? Answer: 2 pies.

- (1) A cake recipe requires $\frac{3}{4}$ cup of sugar. If you want to make 3 cakes, how much sugar will you need? 🍰
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- (2) Sarah runs laps around a park. Each lap is $\frac{1}{2}$ of a mile. If she runs 7 laps, how many miles does she run in total? 🏃
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- (3) A craft project uses $\frac{2}{5}$ of a yard of fabric. If you want to make 4 identical projects, how much fabric will you need? 🧵
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(4) Each of 5 friends ate $\frac{1}{3}$ of a pizza. How much pizza did they eat altogether?



(5) Painting one room requires $\frac{3}{8}$ of a can of paint. How much paint is needed to paint 2 rooms? 🎨

(6) A bottle contains $\frac{2}{3}$ of a liter of juice. How much juice is there in 6 such bottles? 🥤



(7) Each plant in a garden needs $\frac{1}{4}$ gallon of water. If there are 9 plants, how much water is needed in total? 💧

(8) Tom reads $\frac{3}{10}$ of a book each day. How much of the book will he read in 3 days? 📖

