



Word Problems: Whole Number \times Mixed Number

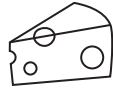
Materials: Whole Number \times Mixed Number word problem cards

1. Work with a partner. Choose five problems that you will both solve.
2. Solve the word problems independently. For each problem:
 - a) write an equation to represent the problem
 - b) use a model to represent the problem
 - c) carry out the operation in the equation to solve the problem
 - d) check your work and consider whether your answer is reasonable
 - e) answer the question in a complete sentence
3. After completing five problems share your work with a partner. Use math vocabulary to explain how you solved each problem.
4. Repeat with another five problems from the set.

Last week Jake spent $2\frac{1}{4}$ hours reading.
Lia spent 3 times as many hours as Jake
reading. How long did Lia spend reading?



One kilogram of cheese costs 3 dollars. Dad buys $2\frac{2}{3}$ kilograms of cheese. How much does dad pay for the cheese?



A

Three children go on a picnic. Each child eats $2\frac{1}{4}$ oranges. How many oranges do the three children eat?



B

I am making 4 batches of pastry for apple pies. One batch calls for $1\frac{2}{6}$ cups of flour. I have 6 cups of flour in the pantry. Will I have enough flour?



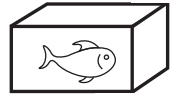
C

Meghan needs to make 5 costumes for the school play. Each costume requires $2\frac{2}{5}$ meters of material. How many meters of material will Meghan need?



D

Liam uses 4 buckets of water to fill a fish tank. If the bucket holds $4\frac{1}{2}$ liters, how much water does the fish tank hold?



E

On Monday Ben went sailing for $1\frac{1}{4}$ hours. Tess went sailing for 4 times as long as Ben. How long did Tess go sailing for?



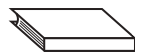
F

Dad made enough strawberry jam to fill 3 large jars. If he made $3\frac{1}{2}$ times as much raspberry jam as strawberry jam, how many large jars did the raspberry jam fill?



G

Last week Jake spent $2\frac{1}{4}$ hours reading. Lia spent 3 times as many hours as Jake reading. How long did Lia spend reading?



H

A large package weighs $2\frac{1}{4}$ times more than a small package. If the small package weighs 2kg, how much does the large package weigh?



I

Last week Meg spent $1\frac{1}{4}$ hours at ballet classes. This week she spent five times as many hours at ballet classes. How many hours did Meg spend at ballet classes this week?



J

Peter rode his bike for $2\frac{1}{3}$ miles on Monday. On Tuesday, he rode 4 times as far as on Monday. How many miles did Peter ride on Tuesday?



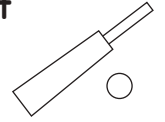
K

One batch of cookies calls for $1\frac{1}{3}$ cups of sugar. If I am going to make 6 batches, how many cups of sugar will I need?



L

On Monday Jack plays cricket for $1\frac{2}{3}$ hours. On the weekend Jack plays cricket for four times as long. How long does Jack play cricket for on the weekend?



M

Lisa needs $2\frac{2}{4}$ cups of raspberries to make one batch of raspberry sauce. How many cups of raspberries will Lisa need if she wants to make 3 batches of raspberry sauce?



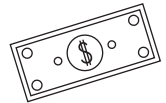
N

Alex made fresh orange and apple juice. He made enough apple juice to fill $2\frac{3}{5}$ jugs. If he made twice as much orange juice as apple juice, how many jugs would the orange juice fill?



O

Jess is paid 6 dollars an hour to babysit her cousin. If Jess babysits for $4\frac{3}{4}$ hours, how much will she earn?



P