## Unit 4 Lesson 10 Cumulative Practice Problems

1. Priya is sharing 24 apples equally with some friends. She uses division to determine how many people can have a share if each person gets a particular number of apples. For example, means that if each person gets 4 apples, then 6 people can have apples. Here are some other calculations:
   1. Priya thinks the “?” represents a number less than 24. Do you agree? Explain or show your reasoning.
   2. In the case of , how many people can have apples?
2. Here is a centimeter ruler.
   1. Use the ruler to find and .
   2. What calculation did you do each time?
   3. Use this pattern to find .
   4. Explain how you could find and .

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1. Find each quotient.
2. Use the fact that to find . Explain or show your reasoning.
3. Consider the problem: It takes one week for a crew of workers to pave kilometer of a road. At that rate, how long will it take to pave 1 kilometer?

* Write a multiplication equation and a division equation to represent the question. Then find the answer and show your reasoning.
* (From Unit 4, Lesson 9.)

1. A box contains pounds of pancake mix. Jada used pound for a recipe. What fraction of the pancake mix in the box did she use? Explain or show your reasoning. Draw a diagram, if needed.

* (From Unit 4, Lesson 7.)

1. Calculate each percentage mentally.
   1. 25% of 400
   2. 50% of 90
   3. 75% of 200
   4. 10% of 8,000
   5. 5% of 20

* (From Unit 3, Lesson 14.)



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