### Lesson 20 Practice Problems

1. Solve each problem. If you get stuck, consider using the double number lines.
	1. During a basketball practice, Mai attempted 40 free throws and was successful on 25% of them. How many successful free throws did she make?
	* 
	1. Yesterday, Priya successfully made 12 free throws. Today, she made 150% as many. How many successful free throws did Priya make today?
	* 
2. A 16-ounce bottle of orange juice says it contains 200 milligrams of vitamin C, which is 250% of the daily recommended allowance of vitamin C for adults. What is 100% of the daily recommended allowance of vitamin C for adults?
* 
*
1. At a school, 40% of the sixth-grade students said that hip-hop is their favorite kind of music. If 100 sixth-grade students prefer hip hop music, how many sixth-grade students are at the school? Explain or show your reasoning.
2. Diego has a skateboard, scooter, bike, and go-cart. He wants to know which vehicle is the fastest. A friend records how far Diego travels on each vehicle in 5 seconds. For each vehicle, Diego travels as fast as he can along a straight, level path.

| * vehicle
 | * distance traveled
 |
| --- | --- |
| * skateboard
 | * 90 feet
 |
| * scooter
 | * 1,020 inches
 |
| * bike
 | * 4,800 centimeters
 |
| * go-cart
 | * 0.03 kilometers
 |

* 1. What is the distance each vehicle traveled in centimeters?
	2. Rank the vehicles in order from fastest to slowest.
* (From Unit 2, Lesson 19.)
1. It takes 10 pounds of potatoes to make 15 pounds of mashed potatoes. At this rate:
	1. How many pounds of mashed potatoes can they make with 15 pounds of potatoes?
	2. How many pounds of potatoes are needed to make 50 pounds of mashed potatoes?
* (From Unit 2, Lesson 18.)



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