## Unit 3 Lesson 11: Percentages and Double Number Lines

### 1 Fundraising Goal (Warm up)

#### Student Task Statement

Each of three friends—Lin, Jada, and Andre—had the goal of raising $40. How much money did each person raise? Be prepared to explain your reasoning.

1. Lin raised 100% of her goal.
2. Jada raised 50% of her goal.
3. Andre raised 150% of his goal.

#### Activity Synthesis



### 2 Three-Day Biking Trip

#### Student Task Statement

Elena biked 8 miles on Saturday. Use the double number line to answer the questions. Be prepared to explain your reasoning.



1. What is 100% of her Saturday distance?
2. On Sunday, she biked 75% of her Saturday distance. How far was that?
3. On Monday, she biked 125% of her Saturday distance. How far was that?

### 3 Puppies Grow Up

#### Student Task Statement

1. Jada has a new puppy that weighs 9 pounds. The vet says that the puppy is now at about 20% of its adult weight. What will be the adult weight of the puppy?
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1. Andre also has a puppy that weighs 9 pounds. The vet says that this puppy is now at about 30% of its adult weight. What will be the adult weight of Andre’s puppy?
* 
1. What is the same about Jada and Andre’s puppies? What is different?

#### Activity Synthesis







#### Images for Activity Synthesis





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