Unit 4 Lesson 11: Percentage Contexts

1 Leaving a Tip (Warm up)

Student Task Statement

Which of these expressions represent a 15% tip on a $20 meal? Which represent the total bill?

$15 \cdot 20$

$20 + 0.15 \cdot 20$

$1.15 \cdot 20$

$\frac{15}{100} \cdot 20$

2 A Car Dealership

Student Task Statement

A car dealership pays a wholesale price of $12,000 to purchase a vehicle.

1. The car dealership wants to make a 32% profit.

    a. By how much will they mark up the price of the vehicle?

    b. After the markup, what is the retail price of the vehicle?

2. During a special sales event, the dealership offers a 10% discount off of the retail price. After the discount, how much will a customer pay for this vehicle?

3 Commission at a Gym

Student Task Statement

1. For each gym membership sold, the gym keeps $42 and the employee who sold it gets $8. What is the commission the employee earned as a percentage of the total cost of the gym membership?

2. If an employee sells a family pass for $135, what is the amount of the commission they get to keep?

4 Card Sort: Percentage Situations (Optional)

Student Task Statement

Your teacher will give you a set of cards. Take turns with your partner matching a situation with a descriptor. For each match, explain your reasoning to your partner. If you disagree, work to reach an agreement.