Unit 6, Lesson 22

Different Ways to Solve Problems

Let's reason about and solve multi-step problems.

Warm-up

Which Three Go Together: Expressions with 5 or 90

Which 3 go together?

A

5×90

B

$90 + 90 + 90 + 90 + 90$

C

$(4 \times 90) + (1 \times 90)$

D

$3 \times 3 \times 10 \times 5$

Activity 1

Going on a Field Trip

1. There are 45 students going on a field trip to a museum. Tickets for the museum are $18 each. Teachers have $900 to buy tickets for the trip. Will this be enough money to buy a ticket for every student?

   If yes, will there be any leftover money? How much?

   If no, how much more money is needed?

2. Your teacher will show 5 strategies for answering the first question. Analyze the strategies.

   a. Which strategy is closest to yours? With a partner, take turns explaining how your strategy is close to the poster you chose.

   b. Discuss a different strategy with your partner. Try using this strategy to find the value of 14×35.

Activity 2

A Trip to the Movies

Movie tickets are $9 each. The theater sells the same number of tickets 2 days in a row.

The theater made $3,132 from ticket sales on the first day.



1. Record and answer one question of your choice from the list the class generated. Discuss your strategy with your partner.

2. Use the given information about movie tickets to complete the following statement:

   _____ tickets were sold on the first and second days.

3. A medium drink is $7 and small popcorn is $5. If each ticket holder purchases popcorn and a drink, how much money will the theater collect from the sales of popcorn and drinks?