Unit 8, Lesson 5

Put Together and Take Apart Story Problems

Let's solve more story problems.

Warm-up

True or False: More or Less

Decide if each statement is true or false.
Be prepared to explain your reasoning.

- $57 + 20 = 59$

- $66 - 4 = 62$

- $17 + 76 = 59$

Activity 1

At the Planetarium

Solve each problem.
Show your thinking using drawings, numbers, or words.

1. There are 7 first graders and some second graders at the planetarium.
   There are 18 students at the planetarium.
   How many second graders are at the planetarium?

2. There are 18 stars in the sky.
   13 stars are bright.
   Some of the stars are dim.
   How many stars are dim?

3. Diego and Tyler see 15 shooting stars during the show.
   Diego sees 6 shooting stars. Tyler sees the rest.
   How many shooting stars does Tyler see?

4. Elena buys 12 star stickers.
   She also buys some planet stickers.
   Elena buys 20 stickers.
   How many planet stickers does she buy?

Activity 2

Which Equations Match?

Circle **2** equations that can be used to solve each problem.

1. Noah paints 9 white stars.
   He also paints some yellow stars.
   Noah paints 17 stars all together.
   How many yellow stars does Noah paint?

   A. $17 - 9 = \square$

   B. $9 + 17 = \square$

   C. $9 + \square = 17$

2. Kiran sees 16 objects in the sky.
   11 of the objects are stars.
   The rest of the objects are planets.
   How many of the objects are planets?

   A. $16 + 11 = \square$

   B. $11 + \square = 16$

   C. $16 - 11 = \square$

If you have time: Solve each problem using both equations.