

Activity 1: What Is the Story?

Problem 1

Laura has a job washing the windows on 4 three-story buildings. each one has the same front window arrangement:

First floor—12 windows

Second floor—12 windows

Third floor—10 windows

How many front windows will she wash?

Person A

Person A started by thinking about how many windows were in one building. Continue his thinking.

1. Draw a picture showing how many windows are in one building.

2. What mathematics do you see in the picture?

3. What is the answer to the question in Problem 1? Explain how Person A solved the problem to answer the question in Problem 1.

Person B

Explain how Person B solved the problem. She began by thinking about how many first-floor windows there are.

1. What is the picture? Draw it.

2. What mathematics do you see in the picture that you drew above? For example, write some equations that show how many windows are in one building.)

3. What is the answer to Problem 1? Explain how Person B solved the problem.

Problem 2

T-shirts come in packs of three. Lana needs to get a T-shirt for each child in the preschool where she works. There are four classes and each has nine children. How many packs does she need?

Person A

Person A started by thinking about how many children there were altogether. Continue her thinking.

1. What is the picture? Draw it.

2. What mathematics do you see in the picture that you drew above? Write three equations to show how many T-shirts Lana needs.

3. What is the answer to the question in Problem 2? Explain how Person A solved the problem.

Person B

Person B started out by thinking about how many packs of T-shirts one class would need.

1. What is the picture? Draw it.

2. What mathematics do you see in the picture that you drew above? Write three equations to show how many T-shirts Lana needs.

3. What is the answer to the question in Problem 2? Explain how Person B solved the problem.