

1.4 Solving Two-Step Problems

Chapter 1: Basic Problem Solving and Mathematical Modeling

Name: _____

Date: _____

Class/Period: _____

Problem 1.40 Directions:

Write a two-step plan, solve, and label the intermediate result.

A school has 13 classes with 22 students in each class. If 18 students are absent, how many students are present?

Problem 1.43 Directions:

Write a two-step plan, solve, and label the intermediate result.

A camp has 84 boys and 76 girls. The campers form 8 equal teams. How many campers are on each team?

Problem 1.41 Directions:

Write a two-step plan, solve, and label the intermediate result.

A store has 165 red balloons and 123 blue balloons. The balloons are placed equally into 12 bags. How many balloons go in each bag?

Problem 1.44 Directions:

Write a two-step plan, solve, and label the intermediate result.

A warehouse has 11 stacks of 35 boxes. It ships 147 boxes. How many boxes remain?

Problem 1.42 Directions:

Write a two-step plan, solve, and label the intermediate result.

A bakery makes 16 trays of 24 rolls. It sells 275 rolls. How many rolls remain?

Problem 1.45 Directions:

Write a two-step plan, solve, and label the intermediate result.

A club sells 128 tickets on Friday and 152 on Saturday. Each ticket costs 6 dollars. How much money is collected?

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Problem 1.46 Directions:

Write a two-step plan, solve, and label the intermediate result.

A library has 18 shelves with 28 books on each shelf. It receives 96 more books. How many books does it have?

Problem 1.49 Directions:

Write a two-step plan, solve, and label the intermediate result.

A school buys 25 packs of 12 pencils and gives 84 pencils away. How many pencils remain?

Problem 1.47 Directions:

Write a two-step plan, solve, and label the intermediate result.

A farm packs 432 apples equally into 18 crates. It sells 7 crates. How many apples are sold?

Problem 1.50 Directions:

Write a two-step plan, solve, and label the intermediate result.

Team A earns 14 points in each of 9 rounds. Team B earns 18 points in each of 6 rounds. Which team earns more points, and how many more?

Problem 1.48 Directions:

Write a two-step plan, solve, and label the intermediate result.

A bus travels 45 miles in the morning and 38 miles in the afternoon for 6 days. How many miles does it travel?

Problem 1.51 Directions:

Write a two-step plan, solve, and label the intermediate result.

A museum has 240 visitors before lunch and 184 after lunch. The visitors are divided equally among 8 tours. How many visitors are on each tour?

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Problem 1.52 Directions:

Write a two-step plan, solve, and label the intermediate result.

A gardener plants 17 rows of 16 flowers and removes 32 damaged flowers. How many flowers remain?

Problem 1.54 Directions:

Write a two-step plan, solve, and label the intermediate result.

A theater sells 135 tickets online and 97 at the door. Tickets cost 5 dollars each. What is the total ticket revenue?

Problem 1.55 Directions:

Write a two-step plan, solve, and label the intermediate result.

A fundraiser sells snack boxes. On Friday, 8 classes sell 27 boxes each. On Saturday, 6 classes sell 24 boxes each. Each box earns 5 dollars for the school.

Part A. Create a model that can be used to find the total amount of money earned.

Part B. Determine the total amount earned.

Part C. A student adds $8 + 27 + 6 + 24 + 5$. Explain the error and describe how the operations in a correct model match the situation.

Problem 1.53 Directions:

Write a two-step plan, solve, and label the intermediate result.

A school orders 360 notebooks and divides them equally among 12 classes. Each class uses 8 notebooks. How many notebooks remain in each class?