Name _____

Problem Solving • Two-Step Problems

PROBLEM SOLVING
Lesson 7.10

COMMON CORE STANDARD—3.OA.8
Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Solve the problem.

1. Jack has 3 boxes of pencils with the same number of pencils in each box. His mother gives him 4 more pencils. Now Jack has 28 pencils. How many pencils are in each box?

   Think: I can start with 28 counters and act out the problem.

   8 pencils

2. The art teacher has 48 paintbrushes. She puts 8 paintbrushes on each table in her classroom. How many tables are in her classroom?

   6 tables

3. Ricardo has 2 cases of video games with the same number of games in each case. He gives 4 games to his brother. Ricardo has 10 games left. How many video games were in each case?

   7 video games

4. Patty has $20 to spend on gifts for her friends. Her mother gives her $5 more. If each gift costs $5, how many gifts can she buy?

   5 gifts

5. Joe has a collection of 35 DVD movies. He received 8 of them as gifts. Joe bought the rest of his movies over 3 years. If he bought the same number of movies each year, how many movies did Joe buy last year?

   9 movies

6. Liz has a 24-inch-long ribbon. She cuts nine 2-inch pieces from her original ribbon. How much of the original ribbon is left?

   6 inches

Lesson Check (3.OA.8)

1. Gavin saved $16 to buy packs of baseball cards. His father gives him $4 more. If each pack of cards costs $5, how many packs can Gavin buy?

   4 packs

2. Chelsea buys 8 packs of markers. Each pack contains the same number of markers. Chelsea gives 10 markers to her brother. Then, she has 54 markers left. How many markers were in each pack?

   8 markers

Spiral Review (3.OA.1, 3.OA.3, 3.OA.4, 3.OA.8)

3. Each foot has 5 toes. How many toes do 6 feet have?

   30 toes

4. Each month for 5 months, Sophie makes 2 quilts. How many more quilts does she need to make before she has made 16 quilts?

   6 quilts

5. Meredith practices the piano for 3 hours each week. How many hours will she practice in 8 weeks?

   24 hours

6. Find the unknown factor.

   $$9 \times \blacksquare = 36$$

   4