

Name \_\_\_\_\_

**Interpret the Remainder**

COMMON CORE STANDARD CC.4.OA.3

Use the four operations with whole numbers to solve problems.

**Interpret the remainder to solve.**

1. Hakeem has 100 tomato plants. He wants to plant them in rows of 8. How many full rows will he have?

**Think:**  $100 \div 8$  is 12 with a remainder of 4. The question asks “how many full rows,” so use only the quotient.

**12 full rows**

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2. A teacher has 27 students in her class. She asks the students to form as many groups of 4 as possible. How many students will not be in a group?
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3. A sporting goods company can ship 6 footballs in each carton. How many cartons are needed to ship 75 footballs?
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4. A carpenter has a board that is 10 feet long. He wants to make 6 table legs that are all the same length. What is the longest each leg can be?
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5. Allie wants to arrange her flower garden in 8 equal rows. She buys 60 plants. What is the greatest number of plants she can put in each row?
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**Problem Solving** 

6. Joanna has 70 beads. She uses 8 beads for each bracelet. She makes as many bracelets as possible. How many beads will Joanna have left over?
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7. A teacher wants to give 3 markers to each of her 25 students. Markers come in packages of 8. How many packages of markers will the teacher need?
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**Lesson Check** (CC.4.OA.3)

- Marcus sorts his 85 baseball cards into stacks of 9 cards each. How many stacks of 9 cards can Marcus make?  
**(A)** 4  
**(B)** 8  
**(C)** 9  
**(D)** 10
- A minivan can hold up to 7 people. How many minivans are needed to take 45 people to a basketball game?  
**(A)** 3  
**(B)** 5  
**(C)** 6  
**(D)** 7

**Spiral Review** (CC.4.OA.1, CC.4.NBT.4, CC.4.NBT.5, CC.4.NBT.6)

- Mrs. Wilkerson cut some oranges into 20 equal pieces to be shared by 6 friends. How many pieces did each person get and how many pieces were left over? (Lesson 4.2)  
**(A)** 2 pieces with 4 pieces left over  
**(B)** 3 pieces with 2 pieces left over  
**(C)** 3 pieces with 4 pieces left over  
**(D)** 4 pieces with 2 pieces left over
- Kris has a box of 8 crayons. Sylvia's box has 6 times as many crayons as Kris's box. How many crayons are in Sylvia's box? (Lesson 2.1)  
**(A)** 48  
**(B)** 42  
**(C)** 36  
**(D)** 4
- A school bought 32 new desks. Each desk cost \$24. Which is the best estimate of how much the school spent on the new desks? (Lesson 3.2)  
**(A)** \$500  
**(B)** \$750  
**(C)** \$1,000  
**(D)** \$1,200
- Yesterday, 1,743 people visited the fair. Today, there are 576 more people at the fair than yesterday. How many people are at the fair today? (Lesson 1.8)  
**(A)** 1,167  
**(B)** 2,219  
**(C)** 2,319  
**(D)** 2,367