Answers for Day 2 worksheets.

1. Which number is a prime number?
   - (A) 20
   - (B) 15
   - (C) 10
   - ● 5

2. Which number is a composite number?
   - ● 4
   - (G) 5
   - (H) 11
   - (J) 17

3. For which of the following is the answer a prime number?
   - (A) 3 × 4
   - (B) 15 − 5
   - (C) 2 × 2
   - ● 9 ÷ 3

4. For which of the following is the answer a composite number?
   - (F) 3 × 1
   - (G) 2 × 0
   - (H) 7 + 4
   - ● 8 + 16

5. How would you write 36 as the product of its prime factors?
   - (A) 6 × 6
   - (B) 3 × 12
   - ● 2 × 2 × 3 × 3
   - (D) 4 × 9

6. How would you write 40 as the product of its prime factors?
   - (F) 2 × 20
   - ● 2 × 2 × 2 × 5
   - (H) 8 × 5
   - (J) 4 × 10

7. Which number is a multiple of 9?
   - ● 18
   - (B) 20
   - (C) 38
   - (D) 50

8. Which number is a multiple of both 5 and 6?
   - (F) 10
   - (G) 12
   - (H) 15
   - ● 30

Clue

You might find it helpful to use scratch paper to draw pictures or record information to solve many of these problems.

1. Two numbers have a product of 108 and a quotient of 12. What are the two numbers?

   (A) 9, 12
   (B) 7, 16
   ● 36, 3
   (D) 54, 6

2. There are several uninvited ants at a picnic in the park. Among the 9 guests that are ants or people, there are 30 legs altogether. How many ants are at the picnic?

   (F) 9 ants
   (G) 6 ants
   (H) 4 ants
   ● 3 ants

3. Mr. Grace found three programs that he wanted to buy for the classroom. *Math Busters* was $21.80. *Spelling Practice* was $16.85. *Reading Classics* was $13.65. He spent a total of $35.45. What programs did he buy?

   (A) *Math Busters* and *Spelling Practice*
   ● *Math Busters* and *Reading Classics*
   (C) *Spelling Practice* and *Reading Classics*
   (D) none of these

4. Carla has 6 hockey cards. Ed and Carla together have 16 hockey cards. Judith and Ed together have 25 hockey cards. How many hockey cards does Judith have?

   (F) 6 hockey cards
   (G) 9 hockey cards
   ● 15 hockey cards
   (J) 20 hockey cards

5. The number of people watching a hockey game is 900 when rounded to the nearest hundred and 850 when rounded to the nearest ten. Which of these could be the number of people watching the game?

   (A) 847 people
   (B) 849 people
   (C) 856 people
   ● 852 people

6. The Card Shop receives a shipment of trading cards each month. There are 8 hockey cards in a pack, 12 packs in a box, and 16 boxes in a shipping crate. Which is the total number of hockey cards in the shipping crate?

   ● 1,536 hockey cards
   (G) 672 hockey cards
   (H) 1,436 hockey cards
   (J) 662 hockey cards

7. After the hockey game, each of these players bought a can of soda from a machine that takes both coins and bills. The soda costs 70¢ per can.

   Luke used only dimes.
   Jacques used only quarters.
   Pierre used only half-dollars.
   Roland used a dollar bill.

   Which two players got the same amount of change?

   (A) Luke and Jacques
   (B) Jacques and Pierre
   ● Pierre and Roland
   (D) Roland and Luke

   STOP