

Two Rings

- Goals**
- Organize data in two-ring Venn diagrams.
 - Identify data relationships.
 - Find information on a sign.
 - Use logical reasoning, addition, and subtraction to solve problems.

Notes You may want to provide students with blocks of the specified colors, shapes, and sizes that they can place in the regions of the rings to check that their answers match the numbers on the can.

Solutions to all problems in this set appear on page 39.

Two Rings I

Questions to Ask

- What are the labels on the Venn diagram? (Red, Small)
- How many blocks are there in all? (20)
- What is the number in the region where the rings overlap? (5) What does the 5 stand for? (the number of blocks that are red and small)
- How many red blocks are there in all? (17) How many of them are already shown in the Red ring? (5) What number will you write on the line in the Red ring? (12) How do you know? ($17 - 5 = 12$)
- How many small blocks are there in all? (8) What number will you write on the line in the Small ring? (3)
- How can you check your answers? (See if the three numbers have a sum of 20; since $12 + 5 + 3 = 20$, the answers are correct.)

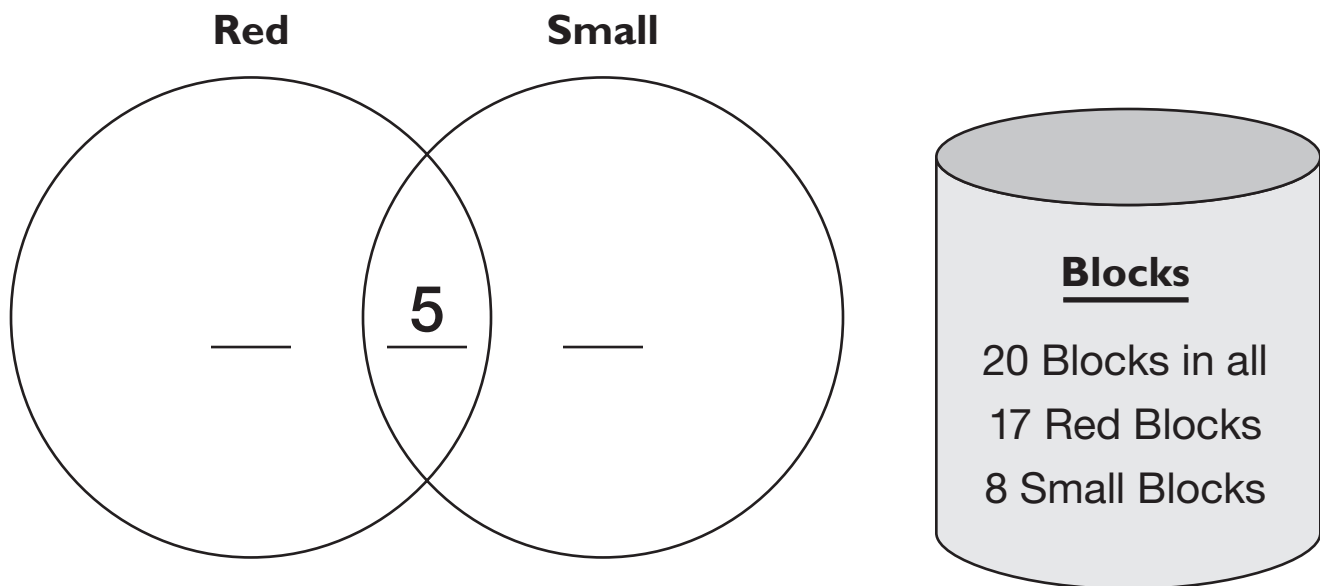
Solutions

1. 12; 3
2. 5
3. 17
4. 3
5. 8
6. 12

Two Rings

Use the information on the can of blocks.

1. Fill in the missing numbers in the rings.



2. How many blocks are small and red? _____

3. How many blocks are red? _____

4. How many blocks are not red? _____

5. How many blocks are small? _____

6. How many blocks are not small? _____