Factors and Multiples

Is the number a multiple of 8? Write yes or no.

1. 4
Think: Since $4 \div 2 = 8$
4 is a factor of 8, not a multiple of 8.

no

2. 8

3. 20

4. 40

List the next nine multiples of each number.

Find the common multiples.

5. Multiples of 4: 4,
Multiples of 7: 7,
Common multiples:

6. Multiples of 3: 3,
Multiples of 9: 9,
Common multiples:

7. Multiples of 6: 6,
Multiples of 8: 8,
Common multiples:

Tell whether 24 is a factor or multiple of the number.

Write factor, multiple, or neither.

8. 6

9. 36

10. 48

Problem Solving

11. Ken paid $12 for two magazines. The cost of each magazine was a multiple of $3. What are the possible prices of the magazines?

12. Jodie bought some shirts for $6 each. Marge bought some shirts for $8 each. The girls spent the same amount of money on shirts. What is the least amount they could have spent?
Lesson Check (4.OA.4)

1. Of the numbers listed below, which are NOT multiples of 4?
   2, 4, 7, 8, 12, 15, 19, 24, 34

2. What number is a common multiple of 5 and 9?

Spiral Review (4.OA.3, 4.NBT.2, 4.NBT.4, 4.NBT.5)

3. Jenny has 50 square tiles. She arranges the tiles into a rectangular array of 4 rows. How many tiles will be left over?

4. Jerome added two numbers. The sum was 83. One of the numbers was 45. What was the other number?

5. There are 18 rows of seats in the auditorium. There are 24 seats in each row. How many seats are in the auditorium?

6. The population of Riverdale is 6,735. What is the value of the 7 in the number 6,735?