

**Write the correct answer.**

1 Write the multiples of 3 from 0 through 20.

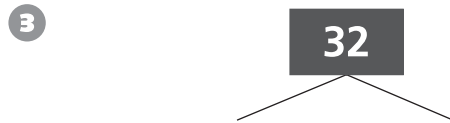
0, 3, 6, 9, 12, 15, 18;

2 Write the multiples of 4 from 4 through 40. Then circle all the square numbers in the list.

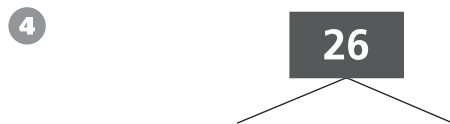
4, 8, 12, 16, 20, 24, 28,

32, 36, 40.

**For 3–4, complete the factor tree. Then write the prime factors for each number.**



2, 2, 2, 2, 2



2, 13

**For 5–8, use the list. Write the numbers that divide the given number evenly.**

2, 3, 5, 6, 9, 10

5 186

2, 3, 6

6 1,115

5

7 5,409

3, 9

8 2,160

2, 3, 5, 6, 9, 10

**For 9–11, write all the factors of the given number.**

9 18

1, 2, 3, 6, 9, 18

10 24

1, 2, 3, 4, 6, 8, 12, 24

11 12

1, 2, 3, 4, 6, 12

For 12–14, write all the common factors for each pair of numbers.

- 12 10, 25

1, 5

- 13 12, 15

1, 3

- 14 24, 30

1, 2, 3, 6

For 15–16, use the chart.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

- 15 What are the composite numbers in the bottom row?

21, 22, 24, 25, 26, 27, 28, 30

- 16 What are the prime numbers in the middle row?

11, 13, 17, 19

For 17–18, use a factor tree to find the prime factors. Then write the product of prime factors for the number.

- 17

120

120 =  $2 \times 2 \times 2 \times 3 \times 5$

- 18

225

225 =  $3 \times 3 \times 5 \times 5$

- 19 Mark has 114 books that he wants to put on shelves so that there is the same number of books on each shelf. He has 10 shelves, but doesn't need to use them all. List all the ways he can put the books on the shelves.

114 books on 1 shelf;

57 books on each of 2 shelves

38 books on each of 3 shelves

19 books on each of 6 shelves

- 20 Maya wrote these clues for a Mystery Number Puzzle.

**Maya's Mystery Number**

I am a 2-digit multiple of 6.

My tens digit is greater than my ones digit.

I am greater than 30 and less than 80.

What numbers are solutions to Maya's puzzle?

42, 54, 60, 72