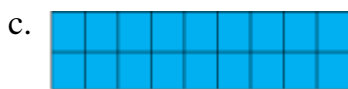
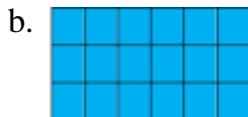


4.OA.B.4 Use Rectangular Array to Find the Factors and Multiples

4.OA.B.4 Find all factor pairs for a whole number in the range 1-100

1. Use the arrays below to find the factors of 18.



Solution:

- a.
- b.
- c.

2. Use additional blank paper to draw arrays to find the factors.

- a. 9
- b. 17
- c. 26
- d. 36

Solution:

- a.
- b.
- c.
- d.

- e. 42
- f. 55
- g. 68
- h. 72

Solution:

- e.
- f.
- g.
- h.

3. Write the first 10 multiples of the following numbers.

- a. 9
- b. 10
- c. 11

Solution:

- a.
- b.
- c.

4. List the numbers that are multiples of 6, but are not factors of 30 and, are less than 60.

Solution:

5. Kevin has \$25 to buy a toy car. The price of the toy cars is a multiple of \$4. What are the possible prices of toy cars?

Solution:

6. Which list contains all the factors of 27?

- A. 3, 9, 18, 27
- B. 1, 3, 9, 18, 27
- C. 1, 2, 3, 9
- D. 1, 3, 9, 27

Solution:

7. Which number is not a multiple of 6?

- C. 6
- D. 12
- C. 16
- D. 30

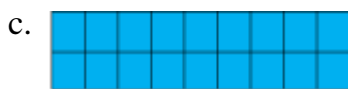
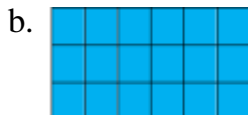
Solution:

4.OA.B.4 Use Rectangular Array to Find the Factors and Multiples

4.OA.B.4 Find all factor pairs for a whole number in the range 1-100

Answer Key

1. Use the arrays below to find the factors of 18.



Solution:

a. 1, 18

b. 3, 6

c. 2, 9

2. Use additional blank paper to draw arrays to find the factors.

a. 9

b. 17

c. 26

d. 36

Solution:

a. 1, 3, 9

b. 1, 17

c. 1, 2, 13, 26

d. 1, 2, 3, 4, 6, 9, 12, 18, 36

e. 42

f. 55

g. 68

h. 72

Solution:

e. 1, 2, 3, 6, 7, 14, 21, 42

f. 1, 5, 11, 55

g. 1, 2, 4, 17, 34, 68

h. 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

3. Write the first 10 multiples of the following numbers.

a. 9

b. 10

c. 11

a. 9 18 27 36 45 54 63 72 81 90

b. 10 20 30 40 50 60 70 80 90 100

c. 11 22 33 44 55 66 77 88 99 110

4. List the numbers that are multiples of 6, but are not factors of 30 and, are less than 60.

Solution: 12, 18, 24, 36, 42, 48, 54

5. Kevin has \$25 to buy a toy car. The price of the toy cars is a multiple of \$4. What are the possible prices of toy cars?

Solution:

\$4, \$8, \$12, \$16, \$20, \$24

6. Which list contains all the factors of 27?

A. 3, 9, 18, 27

C. 1, 2, 3, 9

B. 1, 3, 9, 18, 27

D. 1, 3, 9, 27

Solution: D

7. Which number is not a multiple of 6?

A. 6

C. 16

B. 12

D. 30

Solution: C