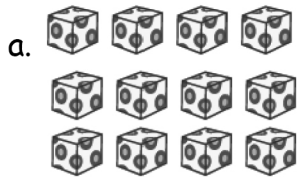


Name _____

Date _____

1. Complete each missing part describing each array.

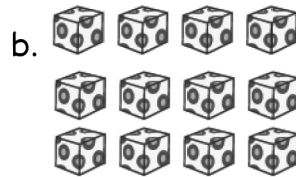
Circle rows.



3 rows of _____ = _____

_____ + _____ + _____ = _____

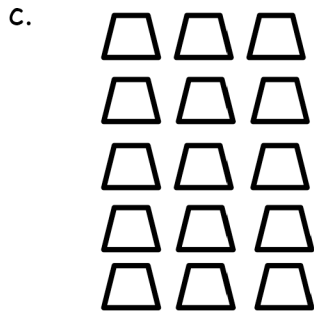
Circle columns.



4 columns of _____ = _____

_____ + _____ + _____ + _____ = _____

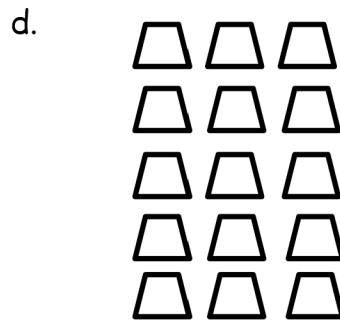
Circle rows.



5 rows of _____ = _____

_____ + _____ + _____ + _____ + _____ = _____

Circle columns.



3 columns of _____ = _____

_____ + _____ + _____ = _____

2. Use the array of smiley faces to answer the questions below.

a. _____ rows of _____ = _____

b. _____ columns of _____ = _____

c. _____ + _____ + _____ = _____

d. Add 1 more row. How many smiley faces are there now? _____

e. Add 1 more column to the new array you made in 2(d). How many smiley faces are there now? _____



3. Use the array of squares to answer the questions below.

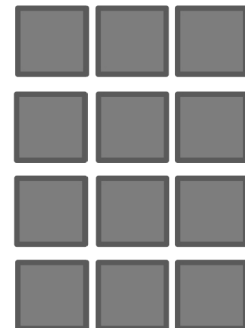
a. _____ + _____ + _____ + _____ = _____

b. _____ rows of _____ = _____

c. _____ columns of _____ = _____

d. Remove 1 row. How many squares are there now? _____

e. Remove 1 column from the new array you made in 3(d). How many squares are there now? _____



Answer Key

1.
 - a. 3 rows of 4 circled; 4, 12; 4, 4, 4, 12
 - b. 4 columns of 3 circled; 3, 12; 3, 3, 3, 3, 12
 - c. 5 rows of 3 circled; 3, 15; 3, 3, 3, 3, 3, 15
 - d. 3 columns of 5 circled; 5, 15; 5, 5, 5, 15
2.
 - a. 3, 5, 15
 - b. 5, 3, 15
 - c. 5, 5, 5, 15
 - d. 1 more row of 5 smiley faces added; 20
 - e. 1 more column of 4 smiley faces added; 24
3.
 - a. 3, 3, 3, 3, 12
 - b. 4, 3, 12
 - c. 3, 4, 12
 - d. 1 row of 3 crossed out; 9
 - e. 1 column of 3 crossed out; 6