Starburst 5 Grade 1   **Arrays**

Name: **KEY**
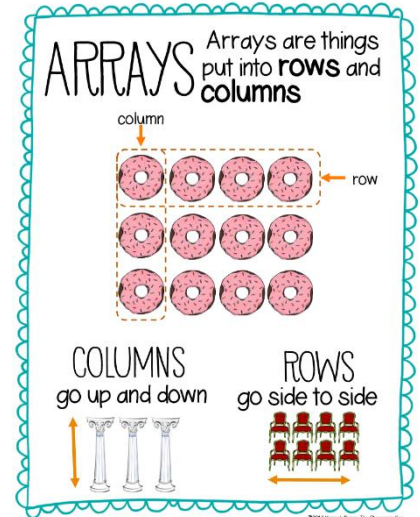
Grade/Teacher:

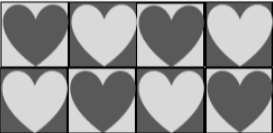25 points total. Give partial credit where you can.

Use your best judgement.

ARRAYS — Arrays are things put into **rows** and **columns**

column

row

COLUMNS go up and down

ROWS go side to side

TILE ARRAYS

Draw a line to match each tile arrangement to the correct equation:

4 + 4 + 4 = 12

4 + 4 = 8

2 + 4 = 8

1+1+1+1=4

2 + 2 = 4

3 + 1 = 4

1 point per line

5 + 5 + 5 = 15

3 + 5 = 15

5+5+5= 15

1 + 2 = 3

3 + 0 = 3

1+1+1 = 3

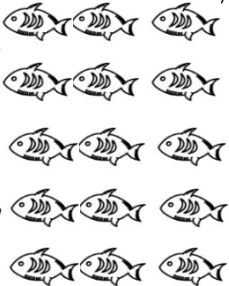David has 12 tiles. He wants to cover a table-top with equal rows of tiles. Draw two ways he could cover the table with equal rows of tiles. Write a number sentence to match each arrangement that uses repeated addition.

4 points total. One for each drawn tile arrangement.

One for each accompanying number sentence.
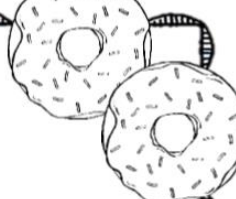
Solutions will very.

3. Crystal puts 5 rows of 3 stickers in her sticker book. How many stickers does she have?

Picture of the array:

5 rows of three objects

Number sentence:

$3+3+3+3+3=15$

4 points total. Partial credit if the answer is correct, but the picture is wrong.

One box of donuts has 2 rows of 3 donuts in it. If Brenton buys 3 boxes of donuts, how many donuts are there all together?

$3+3=6$

$6+6+6=18$ donuts all together.

4 pts

Joy has 15 separate quilt squares to put together. She knows she wants to make rows of 3 squares. How many rows can she put on her quilt?

5 rows

4 pts

Kyle's photo album can hold 2 rows of 2 pictures on each page. How many pages will he use up if he puts 16 pictures in his photo album?

4 pts

$2+2=4$ pictures on a page.

$16/4=4$ pages