











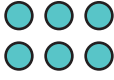







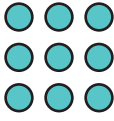

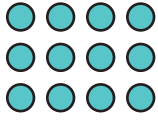





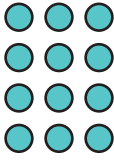

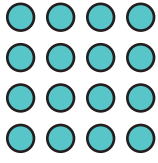




Recognizing Rectangular Arrays

NCTM Standards 1, 2, 6, 8, 10

How many dots?

| | | | |
|--|--|--|--|
| <p>1</p>   | <p>2</p>   | <p>3</p>   | <p>4</p>   |
| <p>5</p>   | <p>6</p>   | <p>7</p>   | <p>8</p>   |
| <p>9</p>   | <p>10</p>   | <p>11</p>   | <p>12</p>   |
| <p>13</p>   | <p>14</p>   | <p>15</p>   | <p>16</p>   |

 **17** Sometimes the same array is shown in two problems above. List the pairs of problems that have the same array and explain why the pairs match.

- 18** In the third grade classroom, there are 4 rows of chairs. Each row has 3 chairs. How many chairs are in the classroom? Draw a picture to show how you solve the problem. Write a number sentence to show your answer.

chairs in the classroom

How many dots?



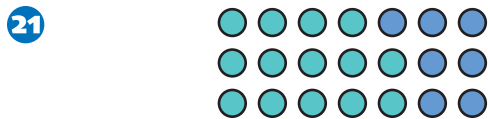
$$\square + \square = \square$$

total



$$\square + \square = \square$$

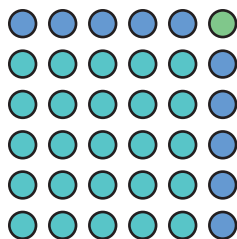
total



$$\square + \square = \square$$

total

22 Challenge



$$\square + \square + \square = \square$$

total