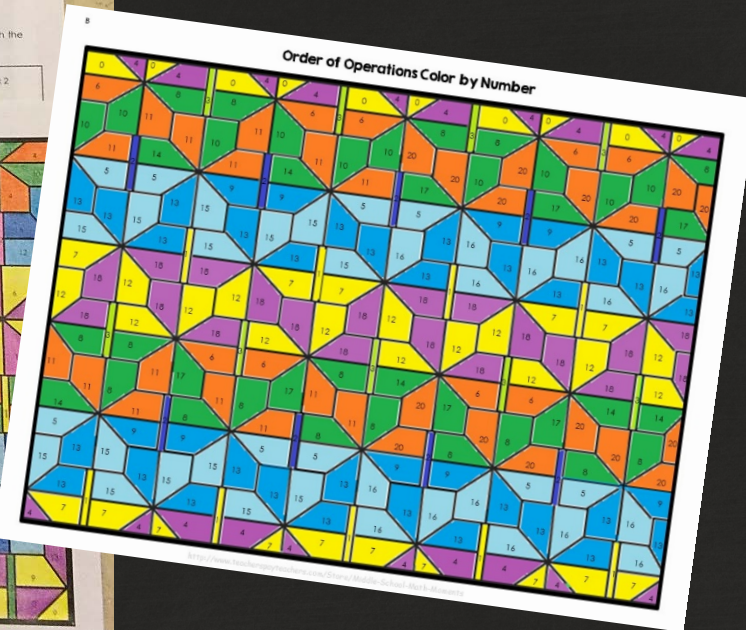
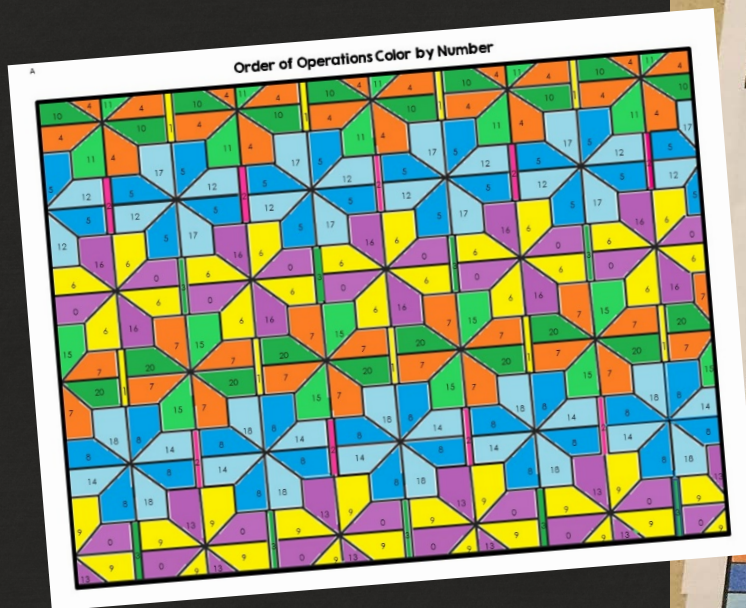
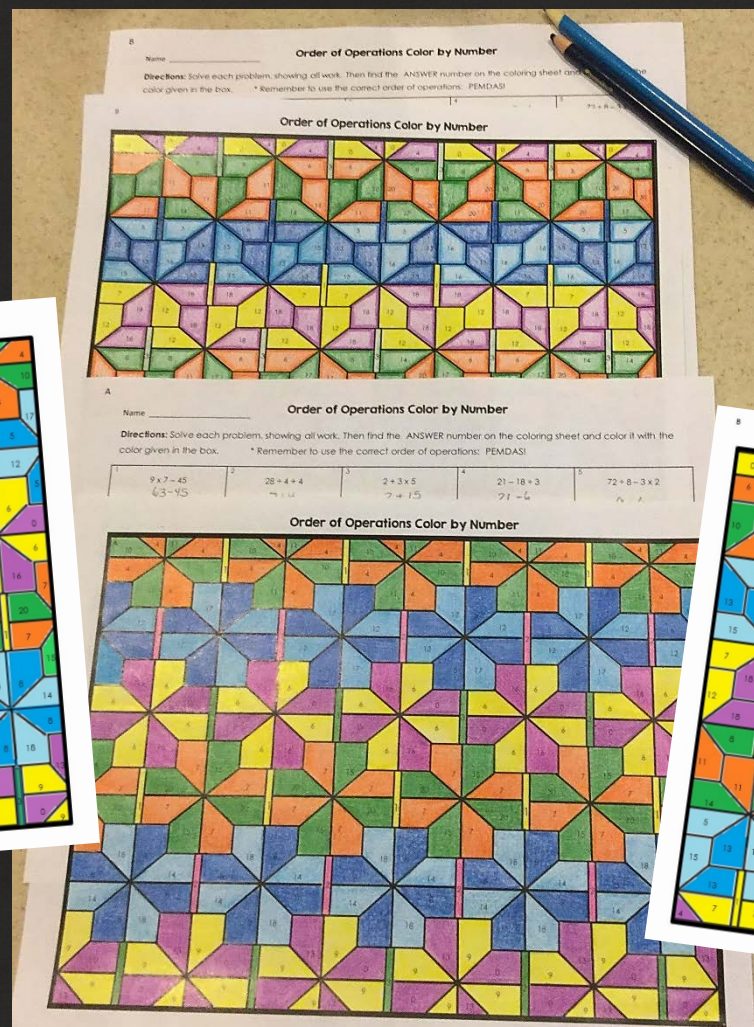


Grades 5-6

Order of Operations

Color by Number



Order of Operations

Color by Number

Thanks for trying Order of Operations – Color by Number!

In this activity, students solve each problem (there are 20), following the order of operations. They then find the solution number on the coloring page and color it with the color indicated in the box for that problem.

There are two different versions, A and B. The pages for each version are labeled A or B in the upper left-hand corner.

The versions have either an A or B in the upper left corner, and the answer keys are clearly labeled A or B.

There is also a coloring page with no numbers, for students to color their own way.

If you have any questions at all, or would like a custom color by number for a particular topic, please email me at middleschoolmathmoments@gmail.com.

Thanks and enjoy! (I enjoyed coloring my sample pages!)

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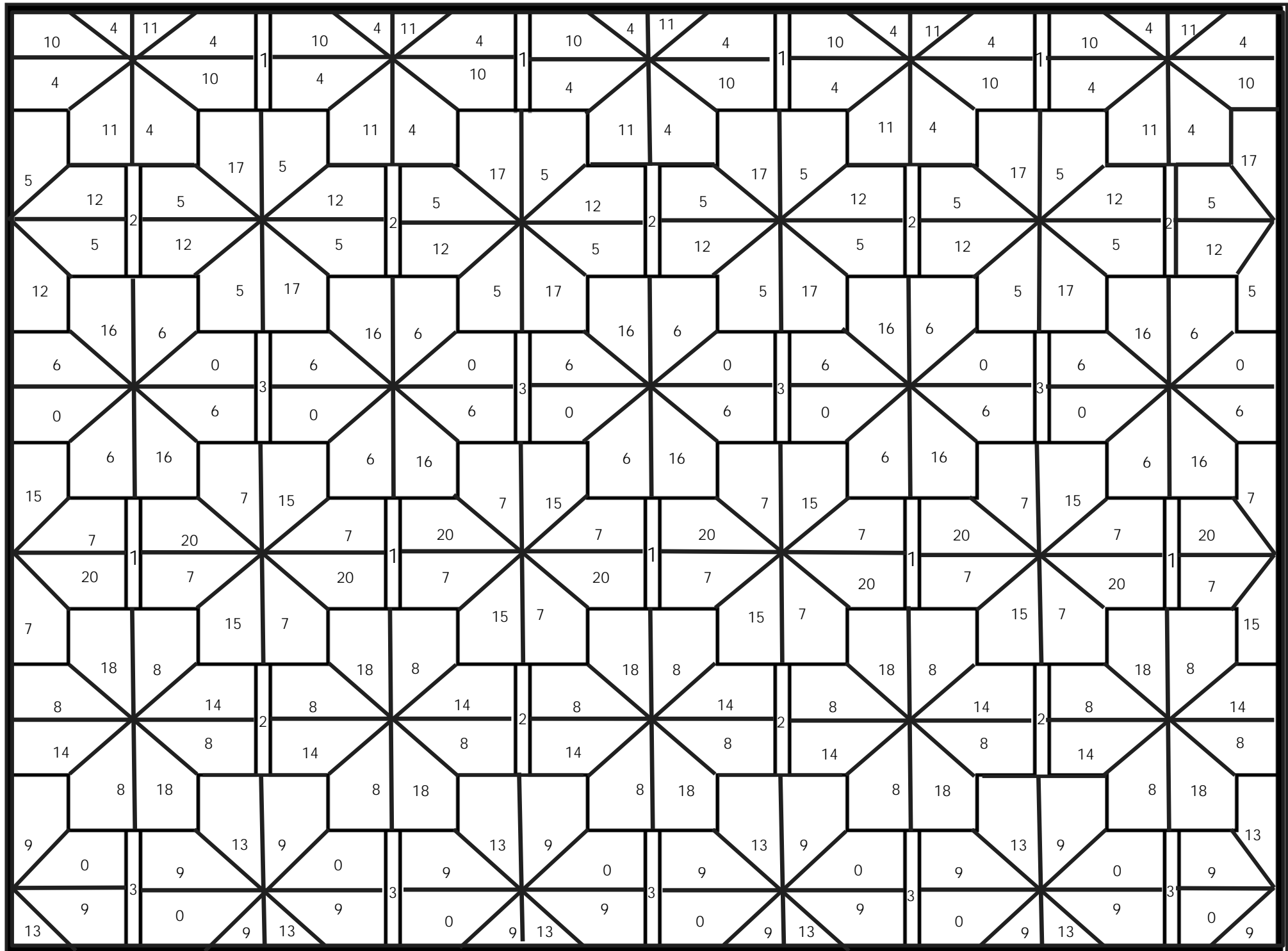
Name _____

Order of Operations Color by Number

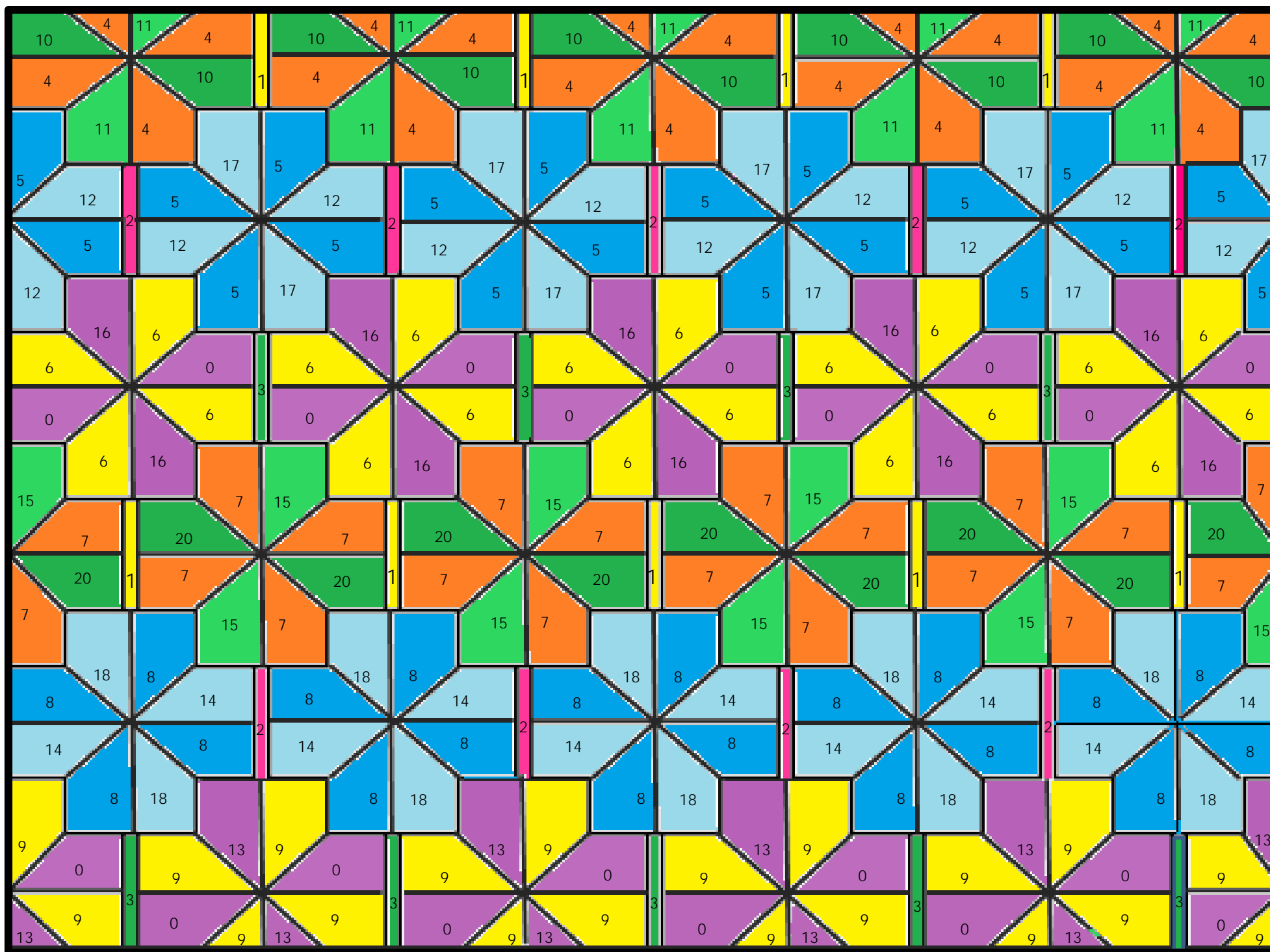
Directions: Solve each problem, showing all work. Then find the ANSWER number on the coloring sheet and color it with the color given in the box. * Remember to use the correct order of operations: PEMDAS!

| | | | | |
|--|--|---|---|--|
| 1 $9 \times 7 - 45$ Color this answer light blue. | 2 $28 \div 4 + 4$ Color this answer green. | 3 $2 + 3 \times 5$ Color this answer light blue. | 4 $21 - 18 \div 3$ Color this answer green. | 5 $72 \div 8 - 3 \times 2$ Color this answer green. |
| 6 $(9 + 3) \div 6 \times 2^3$ Color this answer purple. | 7 $12 \times (4 + 1) - 100 \div 2$ Color this answer green. | 8 $10 - 3^2 + 4 \times 2$ Color this answer yellow. | 9 $17 - 12 \div 4 \times 1^3$ Color this answer light blue. | 10 $13 + 18 - (4 \times 6)$ Color this answer orange. |
| 11 $9^2 - (6^2 \times 2) - 1$ Color this answer dark blue. | 12 $(12^2 \div 6) \div 2 \times 1^2$ Color this answer light blue. | 13 $18 \div (5 + 4) \times 5^2 - 7^2$ Color this answer yellow. | 14 $55 \div (4+1) \times 3 - 3^3$ Color this answer yellow. | 15 $8 \times 3 \div 6 \times 10 \div 20$ Color this answer pink. |
| 16 $7 \times 6 \div 2 - 4^2$ Color this answer dark blue. | 17 $22 - 8 + 2 - 5 + 2$ Color this answer purple. | 18 $8^2 \div 4^2 - 36 \div 9$ Color this answer purple. | 19 $12^2 - 7^2 - (3 \times 5^2)$ Color this answer green. | 20 $46 - (21 \div 3) \times 6$ Color this answer orange. |

Order of Operations Color by Number



Order of Operations Color by Number



Order of Operations Color by Number - Version A Key

Name _____

Directions: Solve each problem, showing all work. Then find the ANSWER number on the coloring sheet and color it with the color given in the box. * Remember to use the correct order of operations: PEMDAS!

| | | | | |
|---|--|--|--|--|
| 1 $9 \times 7 - 45$ $63 - 45$ 18 Color this answer light blue. | 2 $28 \div 4 + 4$ $7 + 4$ 11 Color this answer green. | 3 $2 + 3 \times 5$ $2 + 15$ 17 Color this answer light blue. | 4 $21 - 18 \div 3$ $21 - 6$ 15 Color this answer green. | 5 $72 \div 8 - 3 \times 2$ $9 - 6$ 3 Color this answer green. |
| 6 $(9 + 3) \div 6 \times 2^3$ $(9 + 3) \div 6 \times 8$ $12 \div 6 \times 8$ 2×8 16 Color this answer purple. | 7 $12 \times (4 + 1) - 100 \div 2$ $12 \times 5 - 100 \div 2$ $60 - 50$ 10 Color this answer green. | 8 $10 - 3^2 + 4 \times 2$ $10 - 9 + 4 \times 2$ $10 - 9 + 8$ $1 + 8$ 9 Color this answer yellow. | 9 $17 - 12 \div 4 \times 1^3$ $17 - 12 \div 4 \times 1$ $17 - 3 \times 1$ $17 - 3$ 14 Color this answer light blue. | 10 $13 + 18 - (4 \times 6)$ $13 + 18 - 24$ $31 - 24$ 7 Color this answer orange. |
| 11 $9^2 - (6^2 \times 2) - 1$ $81 - (36 \times 2) - 1$ $81 - 72 - 1$ $9 - 1$ 8 Color this answer dark blue. | 12 $(12^2 \div 6) \div 2 \times 1^2$ $(144 \div 6) \div 2 \times 1^2$ $24 \div 2 \times 1^2$ 12×1 12 Color this answer light blue. | 13 $18 \div (5 + 4) \times 5^2 - 7^2$ $18 \div (5 + 4) \times 25 - 49$ $18 \div 9 \times 25 - 49$ $2 \times 25 - 49$ $50 - 49$ 1 Color this answer yellow. | 14 $55 \div (4 + 1) \times 3 - 3^3$ $55 \div (4 + 1) \times 3 - 27$ $55 \div 5 \times 3 - 27$ $11 \times 3 - 27$ $33 - 27$ 6 Color this answer yellow. | 15 $8 \times 3 \div 6 \times 10 \div 20$ $24 \div 6 \times 10 \div 20$ $4 \times 10 \div 20$ $40 \div 20$ 2 Color this answer pink. |
| 16 $7 \times 6 \div 2 - 4^2$ $7 \times 4 \div 2 - 16$ $42 \div 2 - 16$ $21 - 16$ 5 Color this answer dark blue. | 17 $22 - 8 + 2 - 5 + 2$ $14 + 2 - 5 + 2$ $16 - 5 + 2$ $11 + 2$ 13 Color this answer purple. | 18 $8^2 \div 4^2 - 36 \div 9$ $64 \div 16 - 36 \div 9$ $4 - 4$ 0 Color this answer purple. | 19 $12^2 - 7^2 - (3 \times 5^2)$ $12^2 - 7^2 - (3 \times 25)$ $144 - 49 - 75$ 20 Color this answer green. | 20 $46 - (21 \div 3) \times 6$ $46 - 7 \times 6$ $46 - 42$ 4 Color this answer orange. |

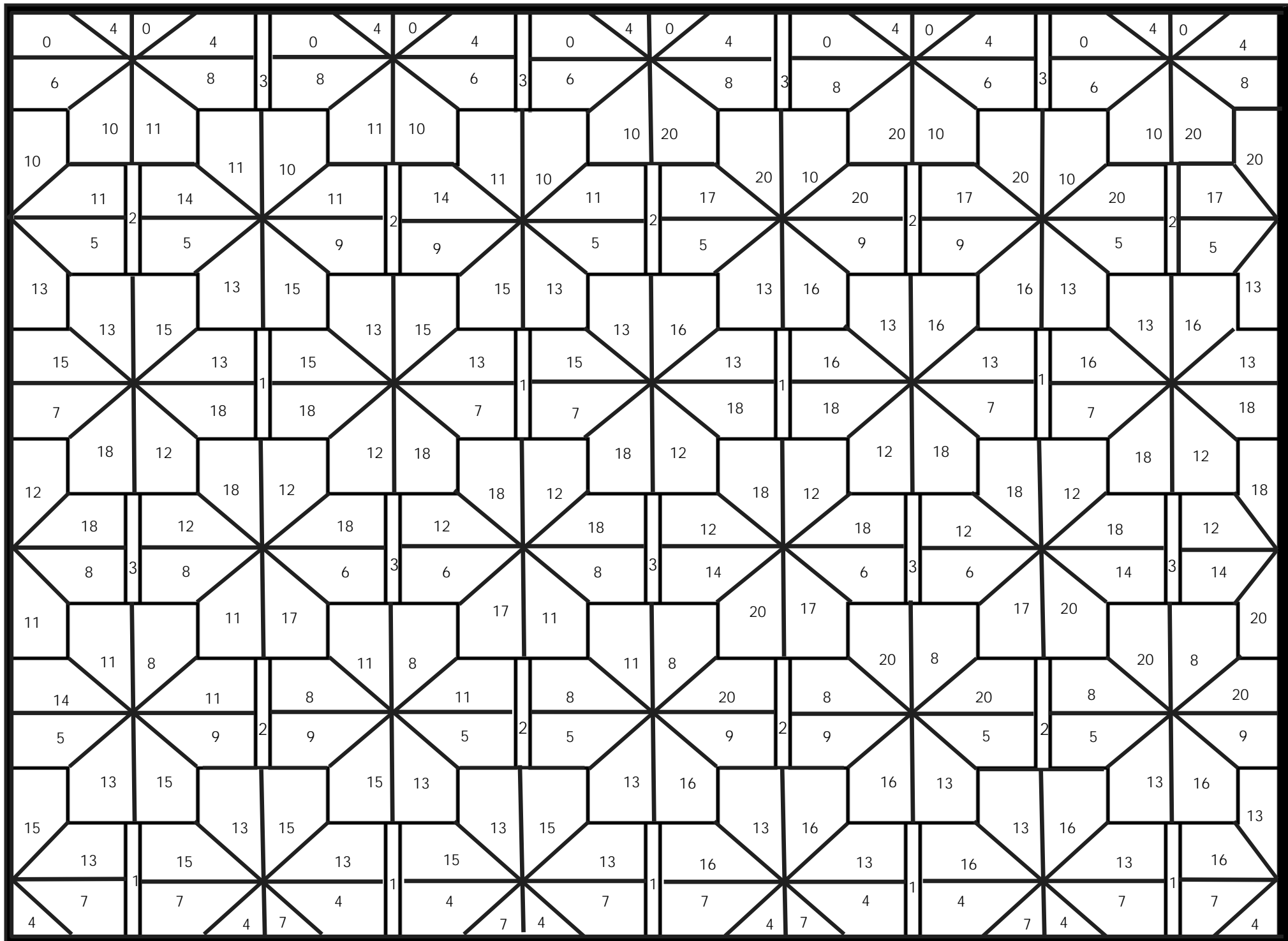
Order of Operations Color by Number

Name _____

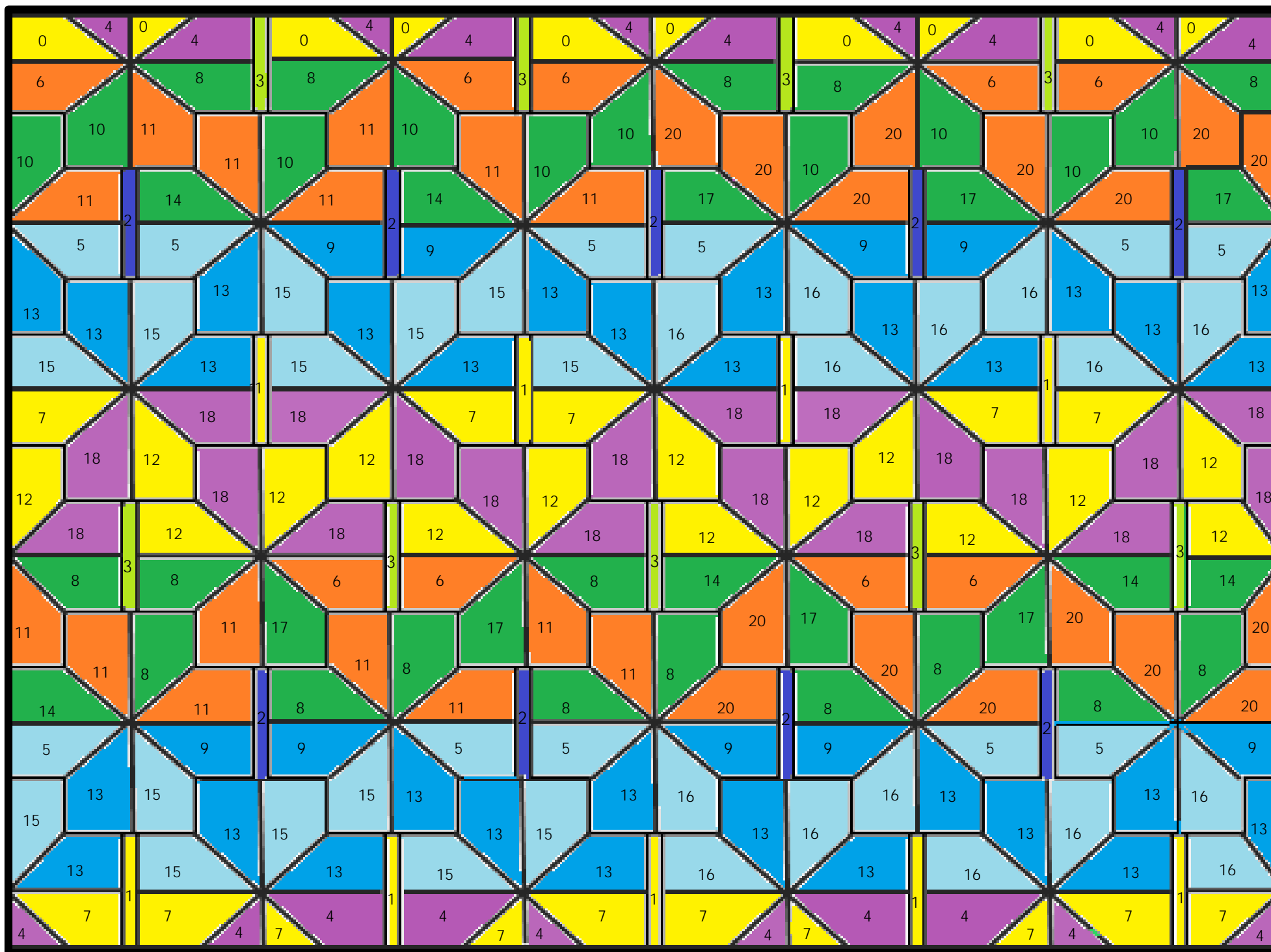
Directions: Solve each problem, showing all work. Then find the ANSWER number on the coloring sheet and color it with the color given in the box. * Remember to use the correct order of operations: PEMDAS!

| | | | | |
|--|--|---|--|---|
| 1 $17 - 12 \div 4 \times 1^3$ Color this answer green. | 2 $55 \div (4+1) \times 3 - 3^3$ Color this answer orange. | 3 $2 + 3 \times 5$ Color this answer green. | 4 $46 - (21 \div 3) \times 6$ Color this answer purple. | 5 $72 \div 8 - 3 \times 2$ Color this answer light green. |
| 6 $(9 + 3) \div 6 \times 2^3$ Color this answer light blue. | 7 $7 \times 6 \div 2 - 4^2$ Color this answer light blue. | 8 $10 - 3^2 + 4 \times 2$ Color this answer dark blue. | 9 $9 \times 7 - 45$ Color this answer purple. | 10 $18 \div (5 + 4) \times 5^2 - 7^2$ Color this answer yellow. |
| 11 $9^2 - (6^2 \times 2) - 1$ Color this answer green. | 12 $(12^2 \div 6) \div 2 \times 1^2$ Color this answer yellow. | 13 $13 + 18 - (4 \times 6)$ Color this answer yellow. | 14 $28 \div 4 + 4$ Color this answer orange. | 15 $8 \times 3 \div 6 \times 10 \div 20$ Color this answer dark blue. |
| 16 $12 \times (4 + 1) - 100 \div 2$ Color this answer green. | 17 $22 - 8 + 2 - 5 + 2$ Color this answer dark blue. | 18 $8^2 \div 4^2 - 36 \div 9$ Color this answer yellow. | 19 $12^2 - 7^2 - (3 \times 5^2)$ Color this answer orange. | 20 $21 - 18 \div 3$ Color this answer light blue. |

Order of Operations Color by Number



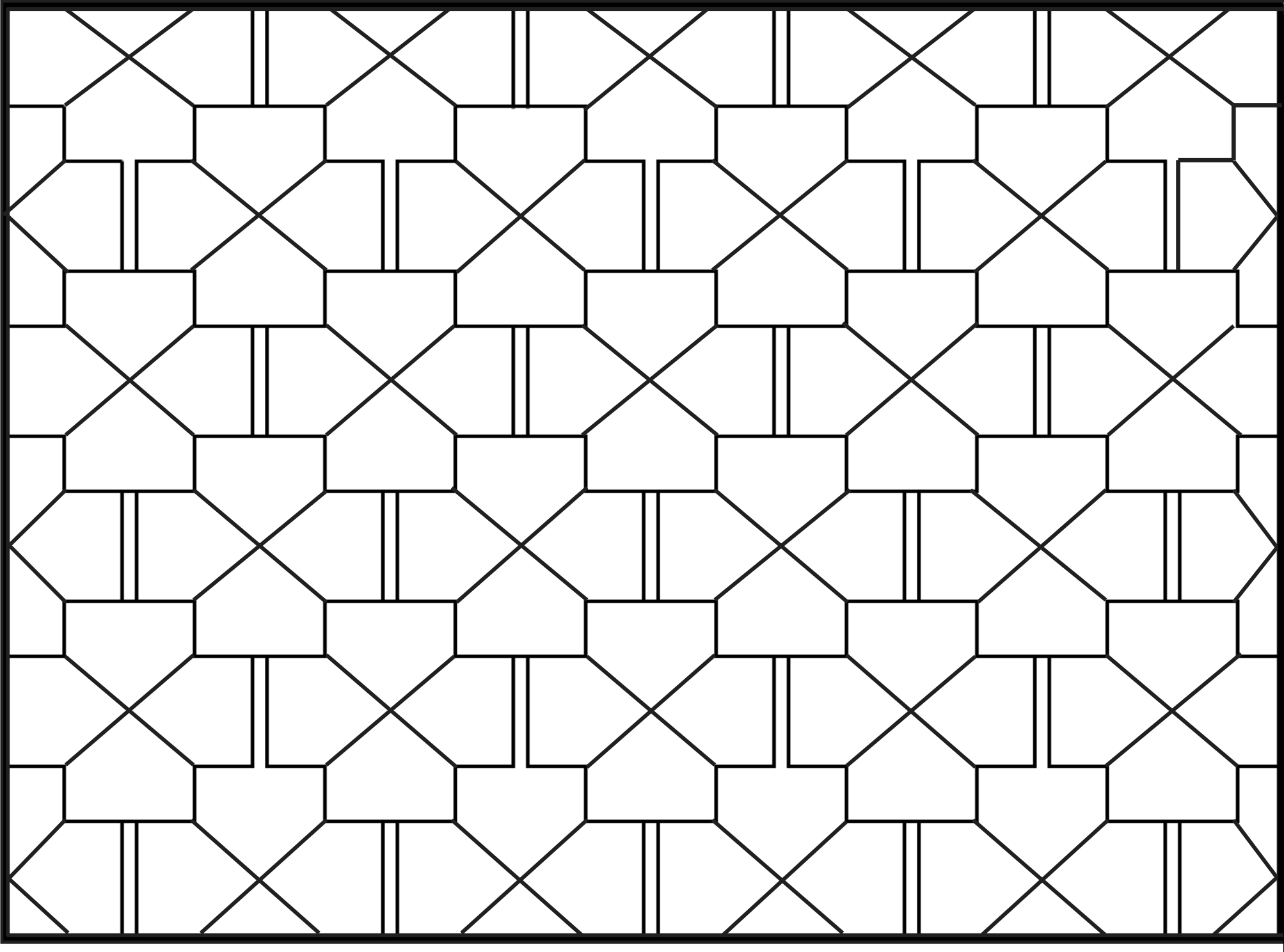
Order of Operations Color by Number



Order of Operations Color by Number - Version B Key

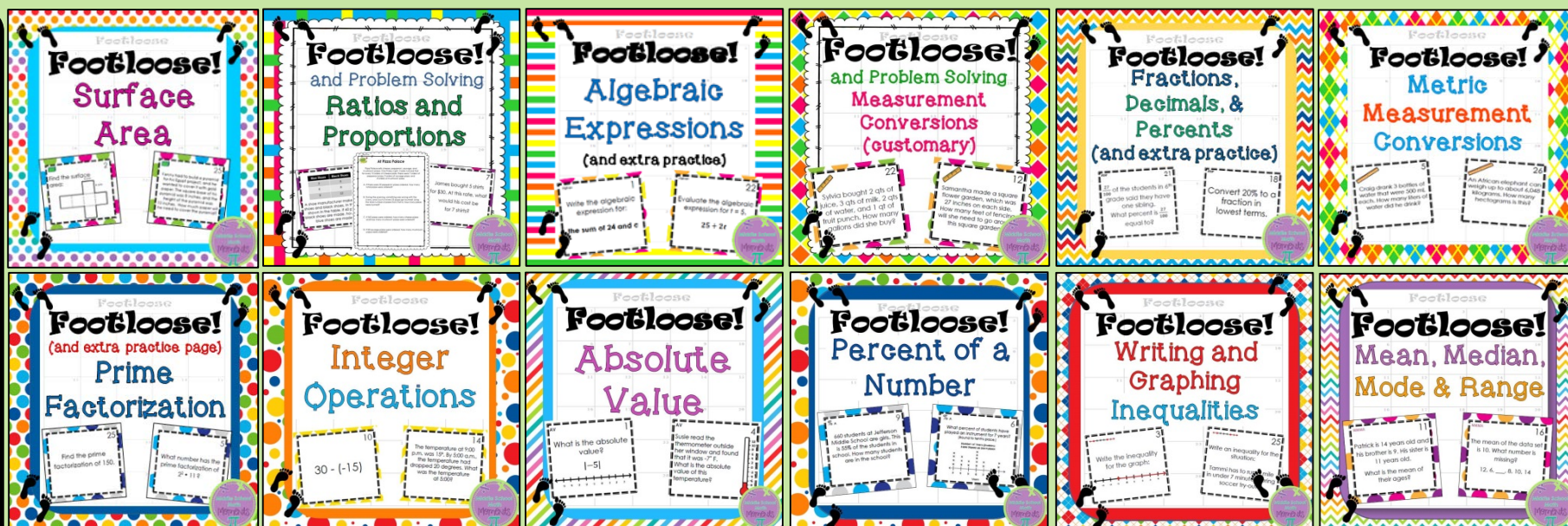
Directions: Solve each problem, showing all work. Then find the ANSWER number on the coloring sheet and color it with the color given in the box. * Remember to use the correct order of operations: PEMDAS!

| | | | | |
|--|---|---|--|--|
| <p>1</p> $17 - 12 \div 4 \times 1^3$ $17 - 12 \div 4 \times 1$ $17 - 3 \times 1$ $17 - 3$ <p style="text-align: center;">14</p> <p>Color this answer green.</p> | <p>2</p> $55 \div (4+1) \times 3 - 3^3$ $55 \div (4+1) \times 3 - 27$ $55 \div 5 \times 3 - 27$ $11 \times 3 - 27$ $33 - 27$ <p style="text-align: center;">6</p> <p>Color this answer orange.</p> | <p>3</p> $2 + 3 \times 5$ $2 + 15$ <p style="text-align: center;">17</p> <p>Color this answer green.</p> | <p>4</p> $46 - (21 \div 3) \times 6$ $46 - 7 \times 6$ $46 - 42$ <p style="text-align: center;">4</p> <p>Color this answer purple.</p> | <p>5</p> $72 \div 8 - 3 \times 2$ $9 - 6$ <p style="text-align: center;">3</p> <p>Color this answer light green.</p> |
| <p>6</p> $(9 + 3) \div 6 \times 2^3$ $(9 + 3) \div 6 \times 8$ $12 \div 6 \times 8$ 2×8 <p style="text-align: center;">16</p> <p>Color this answer light blue.</p> | <p>7</p> $7 \times 6 \div 2 - 4^2$ $7 \times 4 \div 2 - 16$ $42 \div 2 - 16$ $21 - 16$ <p style="text-align: center;">5</p> <p>Color this answer light blue.</p> | <p>8</p> $10 - 3^2 + 4 \times 2$ $10 - 9 + 4 \times 2$ $10 - 9 + 8$ $1 + 8$ <p style="text-align: center;">9</p> <p>Color this answer dark blue.</p> | <p>9</p> $9 \times 7 - 45$ $63 - 45$ <p style="text-align: center;">18</p> <p>Color this answer purple.</p> | <p>10</p> $18 \div (5 + 4) \times 5^2 - 7^2$ $18 \div (5+4) \times 25 - 49$ $18 \div 9 \times 25 - 49$ $2 \times 25 - 49$ $50 - 49$ <p style="text-align: center;">1</p> <p>Color this answer yellow.</p> |
| <p>11</p> $9^2 - (6^2 \times 2) - 1$ $81 - (36 \times 2) - 1$ $81 - 72 - 1$ $9 - 1$ <p style="text-align: center;">8</p> <p>Color this answer green.</p> | <p>12</p> $(12^2 \div 6) \div 2 \times 1^2$ $(144 \div 6) \div 2 \times 1^2$ $24 \div 2 \times 1^2$ 12×1 <p style="text-align: center;">12</p> <p>Color this answer yellow.</p> | <p>13</p> $13 + 18 - (4 \times 6)$ $13 + 18 - 24$ $31 - 24$ <p style="text-align: center;">7</p> <p>Color this answer yellow.</p> | <p>14</p> $28 \div 4 + 4$ $7 + 4$ <p style="text-align: center;">11</p> <p>Color this answer orange.</p> | <p>15</p> $8 \times 3 \div 6 \times 10 \div 20$ $24 \div 6 \times 10 \div 20$ $4 \times 10 \div 20$ $40 \div 20$ <p style="text-align: center;">2</p> <p>Color this answer dark blue.</p> |
| <p>16</p> $12 \times (4 + 1) - 100 \div 2$ $12 \times 5 - 100 \div 2$ $60 - 50$ <p style="text-align: center;">10</p> <p>Color this answer green.</p> | <p>17</p> $22 - 8 + 2 - 5 + 2$ $14 + 2 - 5 + 2$ $16 - 5 + 2$ $11 + 2$ <p style="text-align: center;">13</p> <p>Color this answer dark blue.</p> | <p>18</p> $8^2 \div 4^2 - 36 \div 9$ $64 \div 16 - 36 \div 9$ $4 - 4$ <p style="text-align: center;">0</p> <p>Color this answer yellow.</p> | <p>19</p> $12^2 - 7^2 - (3 \times 5^2)$ $12^2 - 7^2 - (3 \times 25)$ $144 - 49 - 75$ <p style="text-align: center;">20</p> <p>Color this answer orange.</p> | <p>20</p> $21 - 18 \div 3$ $21 - 6$ <p style="text-align: center;">15</p> <p>Color this answer light blue.</p> |

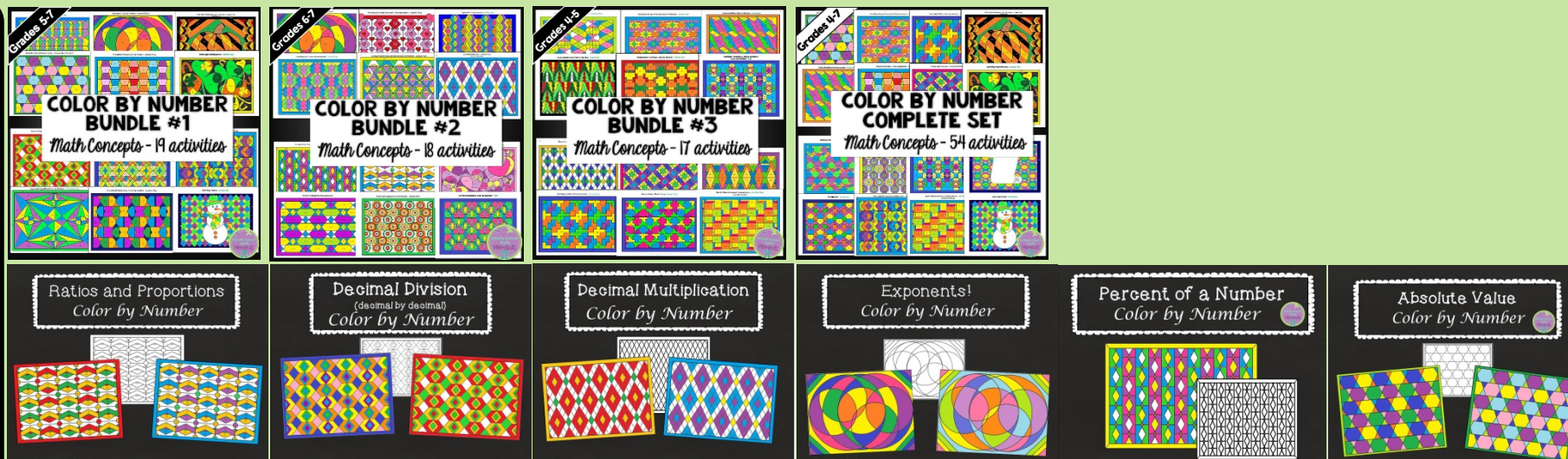


Other materials you might like:

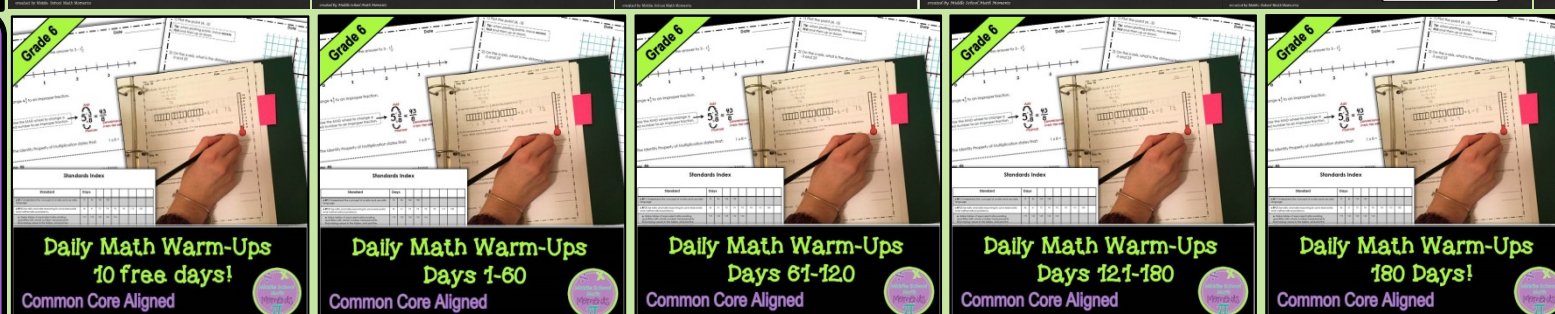
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