

Geometry

Skill 3 - 24K

Number Patterns

Directions: Find the missing numbers in the pattern and write a rule for the pattern.

EXAMPLE

2, 5, 8, 11, 14, 17, 20, 23, 26, 29

Write a rule for this pattern. The rule is **add 3.**

1.
30, 28, 26, 24, 22, _____, _____, 16, 14, _____

The rule is _____.

2.
2, 4, 6, 8, 10, 12, _____, 16, _____, 20

The rule is _____.

3.
43, 48, 53, 58, 63, 68, _____, 78, _____, 88

The rule is _____.

4.
30, 27, 24, 21, 18, _____, _____, 9, 6, _____

The rule is _____.

5.
39, 48, 57, 66, 75, _____, _____, 102, 111

The rule is _____.

6.
24, 28, 32, 36, 40, 44, _____, 52, _____, 60

The rule is _____.

7.
53, 48, 43, 38, 33, 28, _____, 18, _____, 8

The rule is _____.

8.
77, 87, 97, 107, _____, 127, _____, _____

The rule is _____.

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Directions: Find the missing numbers in the pattern and write a rule for the pattern.

9.
678, 690, 702, 714, _____, _____, 750, _____

The rule is _____.

10.
238, 228, 218, 208, _____, _____, 178, _____

The rule is _____.

11.
125, 119, 113, 107, 101, _____, 89, _____, 77

The rule is _____.

12.
23, 29, 35, 41, 47, 53, _____, 65, _____, 77

The rule is _____.

13.
367, 377, 387, 397, _____, _____, 427, _____

The rule is _____.

14.
599, 607, 615, 623, _____, _____, 647, _____

The rule is _____.

15.
100, 92, 84, 76, 68, _____, 52, _____, 36

The rule is _____.

16.
12, 23, 34, 45, 56, 67, _____, 89, _____

The rule is _____.

17.
156, 149, 142, 135, _____, _____, 114, _____

The rule is _____.

18.
49, 45, 41, 37, _____, _____, 25, _____

The rule is _____.

Answer Key
Skill 3 - 24K

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|---|--|
| <p>1.</p> <p>30, 28, 26, 24, 22, <u>20</u>, <u>18</u>, 16, 14, <u>12</u></p> <p>The rule is subtract 2</p> | <p>2.</p> <p>2, 4, 6, 8, 10, 12, <u>14</u>, 16, <u>18</u>, 20</p> <p>The rule is add 2</p> |
| <p>3.</p> <p>43, 48, 53, 58, 63, 68, <u>73</u>, 78, <u>83</u>, 88</p> <p>The rule is add 5</p> | <p>4.</p> <p>30, 27, 24, 21, 18, <u>15</u>, <u>12</u>, 9, 6, <u>3</u></p> <p>The rule is subtract 3</p> |
| <p>5.</p> <p>39, 48, 57, 66, 75, <u>84</u>, <u>93</u>, 102, 111</p> <p>The rule is add 9</p> | <p>6.</p> <p>24, 28, 32, 36, 40, 44, <u>48</u>, 52, <u>56</u>, 60</p> <p>The rule is add 4</p> |
| <p>7.</p> <p>53, 48, 43, 38, 33, 28, <u>23</u>, 18, <u>13</u>, 8</p> <p>The rule is subtract 5</p> | <p>8.</p> <p>77, 87, 97, 107, <u>117</u>, 127, <u>137</u>, <u>147</u></p> <p>The rule is add 10</p> |
| <p>9.</p> <p>678, 690, 702, 714, <u>726</u>, <u>738</u>, 750, <u>762</u></p> <p>The rule is add 12</p> | <p>10.</p> <p>238, 228, 218, 208, <u>198</u>, <u>188</u>, 178, <u>168</u></p> <p>The rule is subtract 10</p> |
| <p>11.</p> <p>125, 119, 113, 107, 101, 95, <u>89</u>, <u>83</u>, 77</p> <p>The rule is subtract 6</p> | <p>12.</p> <p>23, 29, 35, 41, 47, 53, <u>59</u>, 65, <u>71</u>, 77</p> <p>The rule is add 6</p> |
| <p>13.</p> <p>367, 377, 387, 397, <u>407</u>, <u>417</u>, 427, <u>437</u></p> <p>The rule is add 10</p> | <p>14.</p> <p>599, 607, 615, 623, <u>631</u>, <u>639</u>, 647, <u>655</u></p> <p>The rule is add 8</p> |
| <p>15.</p> <p>100, 92, 84, 76, 68, <u>60</u>, 52, <u>44</u>, 36</p> <p>The rule is subtract 8</p> | <p>16.</p> <p>12, 23, 34, 45, 56, 67, <u>78</u>, 89, <u>100</u></p> <p>The rule is add 11</p> |
| <p>17.</p> <p>156, 149, 142, 135, <u>128</u>, <u>121</u>, 114, <u>107</u></p> <p>The rule is subtract 7</p> | <p>18.</p> <p>49, 45, 41, 37, <u>33</u>, <u>29</u>, 25, <u>21</u></p> <p>The rule is subtract 4</p> |