Determining Pattern Rule

Name: _____

Find the rule the pattern is using.

Ex) *Find the rule the pattern is using.*
80 , 40 , 20 , 10 , 5   Rule = _____ Divide 2 _____

1) *Find the rule the pattern is using.*
2 , 10 , 18 , 26 , 34 , 42 , 50   Rule = _____

1. _____

2) *Find the rule the pattern is using.*
38 , 32 , 26 , 20 , 14 , 8   Rule = _____

2. _____

3. _____

3) *Find the rule the pattern is using.*
5 , 20 , 80 , 320   Rule = _____

4. _____

4) *Find the rule the pattern is using.*
6 , 13 , 20 , 27 , 34 , 41   Rule = _____

5. _____

5) *Find the rule the pattern is using.*
1875 , 375 , 75 , 15 , 3   Rule = _____

6. _____

6) *Find the rule the pattern is using.*
6 , 15 , 24 , 33 , 42 , 51   Rule = _____

7. _____

7) *Find the rule the pattern is using.*
9 , 27 , 81 , 243 , 729   Rule = _____

8. _____

8) *Find the rule the pattern is using.*
17 , 15 , 13 , 11 , 9 , 7 , 5 , 3   Rule = _____

9. _____

10. _____

9) *Find the rule the pattern is using.*
2 , 7 , 12 , 17 , 22 , 27 , 32   Rule = _____

11. _____

10) *Find the rule the pattern is using.*
2 , 8 , 32 , 128   Rule = _____

12. _____

11) *Find the rule the pattern is using.*
6 , 18 , 54 , 162   Rule = _____

13. _____

12) *Find the rule the pattern is using.*
37 , 30 , 23 , 16 , 9   Rule = _____

14. _____

13) *Find the rule the pattern is using.*
768 , 192 , 48 , 12 , 3   Rule = _____

15. _____

14) *Find the rule the pattern is using.*
47 , 41 , 35 , 29 , 23 , 17 , 11 , 5   Rule = _____

15) *Find the rule the pattern is using.*
3750 , 750 , 150 , 30 , 6   Rule = _____

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1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Name: **Answer Key**

Find the rule the pattern is using.

Answers

Ex) *Find the rule the pattern is using.*
80 , 40 , 20 , 10 , 5   Rule = <u>Divide 2</u>

Ex. <u>**Divide 2**</u>

1) *Find the rule the pattern is using.*
2 , 10 , 18 , 26 , 34 , 42 , 50   Rule = <u>Add 8</u>

1. <u>**Add 8**</u>

2) *Find the rule the pattern is using.*
38 , 32 , 26 , 20 , 14 , 8   Rule = <u>Subtract 6</u>

2. <u>**Subtract 6**</u>

3) *Find the rule the pattern is using.*
5 , 20 , 80 , 320   Rule = <u>Multiply 4</u>

3. <u>**Multiply 4**</u>

4) *Find the rule the pattern is using.*
6 , 13 , 20 , 27 , 34 , 41   Rule = <u>Add 7</u>

4. <u>**Add 7**</u>

5) *Find the rule the pattern is using.*
1875 , 375 , 75 , 15 , 3   Rule = <u>Divide 5</u>

5. <u>**Divide 5**</u>

6) *Find the rule the pattern is using.*
6 , 15 , 24 , 33 , 42 , 51   Rule = <u>Add 9</u>

6. <u>**Add 9**</u>

7) *Find the rule the pattern is using.*
9 , 27 , 81 , 243 , 729   Rule = <u>Multiply 3</u>

7. <u>**Multiply 3**</u>

8) *Find the rule the pattern is using.*
17 , 15 , 13 , 11 , 9 , 7 , 5 , 3   Rule = <u>Subtract 2</u>

8. <u>**Subtract 2**</u>

9) *Find the rule the pattern is using.*
2 , 7 , 12 , 17 , 22 , 27 , 32   Rule = <u>Add 5</u>

9. <u>**Add 5**</u>

10) *Find the rule the pattern is using.*
2 , 8 , 32 , 128   Rule = <u>Multiply 4</u>

10. <u>**Multiply 4**</u>

11) *Find the rule the pattern is using.*
6 , 18 , 54 , 162   Rule = <u>Multiply 3</u>

11. <u>**Multiply 3**</u>

12) *Find the rule the pattern is using.*
37 , 30 , 23 , 16 , 9   Rule = <u>Subtract 7</u>

12. <u>**Subtract 7**</u>

13) *Find the rule the pattern is using.*
768 , 192 , 48 , 12 , 3   Rule = <u>Divide 4</u>

13. <u>**Divide 4**</u>

14) *Find the rule the pattern is using.*
47 , 41 , 35 , 29 , 23 , 17 , 11 , 5   Rule = <u>Subtract 6</u>

14. <u>**Subtract 6**</u>

15) *Find the rule the pattern is using.*
3750 , 750 , 150 , 30 , 6   Rule = <u>Divide 5</u>

15. <u>**Divide 5**</u>

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1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					