Determining Pattern Rule

Name: _____

Find the rule the pattern is using.

Ex) *Find the rule the pattern is using.*

6 , 24 , 96 , 384 , 1536   Rule = _____Multiply 4_____

Ex.   **Multiply 4**

1) *Find the rule the pattern is using.*

6 , 16 , 26 , 36 , 46 , 56 , 66   Rule = _____

1. _____

2) *Find the rule the pattern is using.*

96 , 48 , 24 , 12 , 6   Rule = _____

2. _____

3) *Find the rule the pattern is using.*

2 , 4 , 8 , 16   Rule = _____

3. _____

4) *Find the rule the pattern is using.*

31 , 27 , 23 , 19 , 15 , 11 , 7 , 3   Rule = _____

4. _____

5) *Find the rule the pattern is using.*

5 , 10 , 20 , 40   Rule = _____

5. _____

6) *Find the rule the pattern is using.*

22 , 20 , 18 , 16 , 14 , 12 , 10 , 8   Rule = _____

6. _____

7) *Find the rule the pattern is using.*

10 , 17 , 24 , 31 , 38 , 45 , 52   Rule = _____

7. _____

8) *Find the rule the pattern is using.*

162 , 54 , 18 , 6 , 2   Rule = _____

8. _____

9) *Find the rule the pattern is using.*

37 , 31 , 25 , 19 , 13 , 7   Rule = _____

9. _____

10) *Find the rule the pattern is using.*

4 , 12 , 36 , 108 , 324   Rule = _____

10. _____

11) *Find the rule the pattern is using.*

750 , 150 , 30 , 6   Rule = _____

11. _____

12) *Find the rule the pattern is using.*

8 , 15 , 22 , 29 , 36   Rule = _____

12. _____

13) *Find the rule the pattern is using.*

25 , 22 , 19 , 16 , 13 , 10 , 7   Rule = _____

13. _____

14) *Find the rule the pattern is using.*

375 , 75 , 15 , 3   Rule = _____

14. _____

15) *Find the rule the pattern is using.*

2 , 12 , 22 , 32 , 42 , 52   Rule = _____

15. _____

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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.*

6 , 24 , 96 , 384 , 1536   Rule = _Multiply 4_

1) *Find the rule the pattern is using.*

6 , 16 , 26 , 36 , 46 , 56 , 66   Rule = _Add 10_

2) *Find the rule the pattern is using.*

96 , 48 , 24 , 12 , 6   Rule = _Divide 2_

3) *Find the rule the pattern is using.*

2 , 4 , 8 , 16   Rule = _Multiply 2_

4) *Find the rule the pattern is using.*

31 , 27 , 23 , 19 , 15 , 11 , 7 , 3   Rule = _Subtract 4_

5) *Find the rule the pattern is using.*

5 , 10 , 20 , 40   Rule = _Multiply 2_

6) *Find the rule the pattern is using.*

22 , 20 , 18 , 16 , 14 , 12 , 10 , 8   Rule = _Subtract 2_

7) *Find the rule the pattern is using.*

10 , 17 , 24 , 31 , 38 , 45 , 52   Rule = _Add 7_

8) *Find the rule the pattern is using.*

162 , 54 , 18 , 6 , 2   Rule = _Divide 3_

9) *Find the rule the pattern is using.*

37 , 31 , 25 , 19 , 13 , 7   Rule = _Subtract 6_

10) *Find the rule the pattern is using.*

4 , 12 , 36 , 108 , 324   Rule = _Multiply 3_

11) *Find the rule the pattern is using.*

750 , 150 , 30 , 6   Rule = _Divide 5_

12) *Find the rule the pattern is using.*

8 , 15 , 22 , 29 , 36   Rule = _Add 7_

13) *Find the rule the pattern is using.*

25 , 22 , 19 , 16 , 13 , 10 , 7   Rule = _Subtract 3_

14) *Find the rule the pattern is using.*

375 , 75 , 15 , 3   Rule = _Divide 5_

15) *Find the rule the pattern is using.*

2 , 12 , 22 , 32 , 42 , 52   Rule = _Add 10_

Ex. **Multiply 4**

1. **Add 10**

2. **Divide 2**

3. **Multiply 2**

4. **Subtract 4**

5. **Multiply 2**

6. **Subtract 2**

7. **Add 7**

8. **Divide 3**

9. **Subtract 6**

10. **Multiply 3**

11. **Divide 5**

12. **Add 7**

13. **Subtract 3**

14. **Divide 5**

15. **Add 10**

Math

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