Determining Pattern Rule   Name: _____

Find the rule the pattern is using.

Ex) *Find the rule the pattern is using.*
47 , 40 , 33 , 26 , 19 , 12 , 5   Rule = _____ Subtract 7 _____

1) *Find the rule the pattern is using.*
3 , 13 , 23 , 33 , 43   Rule = _____

2) *Find the rule the pattern is using.*
6 , 10 , 14 , 18 , 22 , 26   Rule = _____

3) *Find the rule the pattern is using.*
32 , 16 , 8 , 4 , 2   Rule = _____

4) *Find the rule the pattern is using.*
8 , 16 , 24 , 32 , 40 , 48 , 56   Rule = _____

5) *Find the rule the pattern is using.*
5625 , 1125 , 225 , 45 , 9   Rule = _____

6) *Find the rule the pattern is using.*
5 , 10 , 20 , 40   Rule = _____

7) *Find the rule the pattern is using.*
49 , 39 , 29 , 19 , 9   Rule = _____

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

9) *Find the rule the pattern is using.*
6 , 8 , 10 , 12 , 14 , 16 , 18 , 20   Rule = _____

10) *Find the rule the pattern is using.*
4 , 8 , 16 , 32   Rule = _____

11) *Find the rule the pattern is using.*
53 , 44 , 35 , 26 , 17 , 8   Rule = _____

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

13) *Find the rule the pattern is using.*
55 , 46 , 37 , 28 , 19 , 10   Rule = _____

14) *Find the rule the pattern is using.*
9 , 36 , 144 , 576   Rule = _____

15) *Find the rule the pattern is using.*
6 , 12 , 24 , 48 , 96   Rule = _____

Answers

Ex. **Subtract 7**

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
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.*
47 , 40 , 33 , 26 , 19 , 12 , 5   Rule = _Subtract 7_

Ex. **Subtract 7**

1) *Find the rule the pattern is using.*
3 , 13 , 23 , 33 , 43   Rule = _Add 10_

1. **Add 10**

2) *Find the rule the pattern is using.*
6 , 10 , 14 , 18 , 22 , 26   Rule = _Add 4_

2. **Add 4**

3) *Find the rule the pattern is using.*
32 , 16 , 8 , 4 , 2   Rule = _Divide 2_

3. **Divide 2**

4) *Find the rule the pattern is using.*
8 , 16 , 24 , 32 , 40 , 48 , 56   Rule = _Add 8_

4. **Add 8**

5) *Find the rule the pattern is using.*
5625 , 1125 , 225 , 45 , 9   Rule = _Divide 5_

5. **Divide 5**

6) *Find the rule the pattern is using.*
5 , 10 , 20 , 40   Rule = _Multiply 2_

6. **Multiply 2**

7) *Find the rule the pattern is using.*
49 , 39 , 29 , 19 , 9   Rule = _Subtract 10_

7. **Subtract 10**

8) *Find the rule the pattern is using.*
3750 , 750 , 150 , 30 , 6   Rule = _Divide 5_

8. **Divide 5**

9) *Find the rule the pattern is using.*
6 , 8 , 10 , 12 , 14 , 16 , 18 , 20   Rule = _Add 2_

9. **Add 2**

10) *Find the rule the pattern is using.*
4 , 8 , 16 , 32   Rule = _Multiply 2_

10. **Multiply 2**

11) *Find the rule the pattern is using.*
53 , 44 , 35 , 26 , 17 , 8   Rule = _Subtract 9_

11. **Subtract 9**

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

12. **Divide 5**

13) *Find the rule the pattern is using.*
55 , 46 , 37 , 28 , 19 , 10   Rule = _Subtract 9_

13. **Subtract 9**

14) *Find the rule the pattern is using.*
9 , 36 , 144 , 576   Rule = _Multiply 4_

14. **Multiply 4**

15) *Find the rule the pattern is using.*
6 , 12 , 24 , 48 , 96   Rule = _Multiply 2_

15. **Multiply 2**

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