Arithmetic Patterns

Grade 3 Math Worksheet - Building Confidence

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Name _____ Date _____

Circle the answer.

1. Which pattern is made by adding 10 each time?
   44, 34, 24, 14 14, 28, 42, 56 14, 24, 34, 44

2. What is true about the sum of two even numbers?
   it is always odd it is always even it always ends in 0

3. What rule fits this pattern?

   50 45 40 35

   subtract 5 each time add 5 each time subtract 10 each time

4. On a hundred chart, how does a number change when you move down one row?
   it decreases by 10 it increases by 1 it increases by 10

5. In an addition table, 3 + 5 = 8. Which sum is also 8 because the order is switched?
   3 + 8 5 + 3 4 + 4

6. What is true about the numbers in this pattern?

   2 4 6 8

   they are all odd they are all even they all end in 0

7. In a multiplication table, which fact matches 4 × 3 by switching the order?
   4 × 4 4 + 3 3 × 4

8. What rule fits this pattern?

   4 8 12 16 20

   multiply by 2 each time add 4 each time add 2 each time

9. Which pattern counts by 5s?
   15, 16, 17, 18 15, 20, 25, 30 15, 30, 45, 60

10. What is true about the sum of two odd numbers?
    it can be even or odd it is always even it is always odd

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Answer Key - Grade 3 Math Worksheet - Building Confidence

Circle the answer.

1. Which pattern is made by adding 10 each time?

   44, 34, 24, 14 | 14, 28, 42, 56 | **14, 24, 34, 44**

2. What is true about the sum of two even numbers?

   it is always odd | **it is always even** | it always ends in 0

3. What rule fits this pattern?

   50 45 40 35

   subtract 5 each time | add 5 each time | subtract 10 each time

4. On a hundred chart, how does a number change when you move down one row?

   it decreases by 10 | it increases by 1 | **it increases by 10**

5. In an addition table, 3 + 5 = 8. Which sum is also 8 because the order is switched?

   3 + 8 | **5 + 3** | 4 + 4

6. What is true about the numbers in this pattern?

   2 4 6 8

   they are all odd | **they are all even** | they all end in 0

7. In a multiplication table, which fact matches 4 × 3 by switching the order?

   4 × 4 | 4 + 3 | **3 × 4**

8. What rule fits this pattern?

   4 8 12 16 20

   multiply by 2 each time | **add 4 each time** | add 2 each time

9. Which pattern counts by 5s?

   15, 16, 17, 18 | **15, 20, 25, 30** | 15, 30, 45, 60

10. What is true about the sum of two odd numbers?

    it can be even or odd | **it is always even** | it is always odd