Arithmetic Patterns

Grade 3 Math Worksheet - Building Confidence

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Name _____ Date _____

Circle the answer.

1. On a hundred chart, how does a number change when you move down one row?
   it increases by 10 it increases by 1 it increases by 100

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

3. Which pattern is made by adding 10 each time?
   44, 34, 24, 14 14, 15, 16, 17 14, 24, 34, 44

4. What is true about the sum of two odd numbers?
   it always ends in 0 it is always even it can be even or odd

5. Which number goes in the empty box?

   5 10 15 20 ☐

   21 25 24

6. Which number goes in the empty box?

   3 6 ☐ 12 15

   10 8 9

7. What rule fits this pattern?

   50 45 40 35

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

8. Which pattern counts by 5s?
   15, 16, 17, 18 15, 25, 35, 45 15, 20, 25, 30

9. What rule fits this pattern?

   4 8 12 16 20

   add 8 each time add 2 each time add 4 each time

10. What is true about the sum of two even numbers?
    it can be even or odd it always ends in 0 it is always even

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Answer Key - Grade 3 Math Worksheet - Building Confidence

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