Arithmetic Patterns

Grade 3 Math Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. What rule fits this pattern?

4 8 12 16 20

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

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

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

2 4 6 8

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

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

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

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

7. What rule fits this pattern?

50 45 40 35

add 5 each time subtract 6 each time subtract 5 each time

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

9. These numbers are from the 10s row of the multiplication table. What is true about their ones digits?

10 20 30 40 50

every ones digit is 1 every ones digit is 5 every ones digit is 0

10. What is true about the sum of an even number and an odd number?
it always ends in 5 it is always even it is always odd

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Answer Key - Grade 3 Math Worksheet - Building Confidence

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