Arithmetic Patterns

Grade 3 Math Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. 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 0

the ones digit goes up by 1

every ones digit is 5

2. Which number goes in the empty box?

3 6 ☐ 12 15

9 11 8

3. What rule fits this pattern?

4 8 12 16 20

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

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

2 4 6 8

some are even and some are odd

they all end in 0

they are all even

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

14, 24, 34, 44 14, 28, 42, 56 14, 15, 16, 17

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

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

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

5 + 4 5 + 3 3 + 8

8. Which pattern counts by 5s?

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

9. Which number goes in the empty box?

5 10 15 20 ☐

30 25 24

10. What rule fits this pattern?

50 45 40 35

subtract 6 each time subtract 10 each time subtract 5 each time

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Answer Key - Grade 3 Math Worksheet - Building Confidence

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