

Patterns & Algebra Assessment Task

Name:

Date:

1. What is the missing number from the pattern?
5, 7, 10, _____, 19, 25, 32
 13 15
 14 16
2. Enter the missing number to make the number sentence true.
 $4 \times 8 = \square - 16$
3. $\blacksquare = 5$ $\bullet = 7$
 $\blacksquare \times \bullet \times \blacksquare = 105$
What is the value of the \blacksquare ?
 70 5
 15 3
4. $6 \times (\triangle + 3) = 30$
What is the value of the triangle?
 2 4
 3 5
5. $x = 10$ $y = 15$ $z = 20$
Which is not true?
 $x + y = 25$ $z - x = 10$
 $y + z = 35$ $y - x = 15$
6. Each number in a pattern is double plus three the previous number? If the first number in the pattern is 5, what is the fifth number?
 119 125
 122 253
7. What is the next number in this pattern?
0.75, 1.5, 2.25, 3, _____
 3.75 3.5
 3.25 4.0
8. If 'y' is equal to 6 which number sentence isn't true?
 $y \times y = y^2$
 $y \times 6 = 2 \times (y + y)$
 $y \times y = 36$
 $y + y = y \times 2$
9. Fill in the missing number.
88, 80, 72, 56, 48.
10. What is the hundredth number in this pattern?
6, 12, 18, 24, 30, 100th
 is the hundredth number in the pattern.

mark the test

print the test

take the test again

Result: