

Mental arithmetic test 6

1. Circle the numbers that are multiples of both 6 and 4.

60 54 28
 42 36

2. Write the missing factor for 45.

1, 3, 5, _____, 15, 45

3. Circle the prime number.

9 25 15
 17 27

4. $7^2 =$ _____

5. What is the lowest common multiple of 5 and 3?

6. Write the next prime number after 23.

7. Write the missing pair of factors for 42.

$42 \rightarrow (1, 42) (2, 21) (3, 14) (\text{____}, \text{____})$

8. Circle the numbers that are multiples of both 7 and 3.

84 56 24 42 35

Look at these numbers for 9–10.

7	2	-3	-8	_____
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9. Write the rule for this sequence of numbers.

The rule is _____

10. What would be the next number in this sequence?

11. $9^2 =$ _____

Look at this chart for 12–13.

A	0	1	2	3	4	5	n
B	1	3	5	7	9	_____	?

12. Write in the chart the value of B when A is 5.

13. Circle the correct rule for the relationship between A and B.

$2n + 1$ $n + 2$ $2n$ $2n - 1$

14. What are the common factors of 28 and 42?

15. $10^2 =$ _____

Look at these numbers for 16–17.

396	426	456	486	_____
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16. Write the rule for this sequence of numbers.

The rule is _____

17. What would be the next number in this sequence?

18. $12^2 =$ _____

19. What is the lowest common multiple of 2, 5 and 4?

20. What are the common factors of 12, 20 and 16?

Score /20