

Logic Practice Worksheet

For Ages 8-10

Student Name: _____

Date: __July 01, 2025__

Score: _____ / _____

Instructions:

- Think carefully about each problem
- Look for patterns and connections
- Explain your thinking if possible

1. Complete the pattern:



Answer: _____

2. Complete the pattern:



Answer: _____

3. If it takes 3 minutes to boil one egg, how long does it take to boil 3 eggs in the same pot?

Answer: _____

4. Complete the pattern:



Answer: _____

5. Which one doesn't belong with prime_numbers? 17, 9, 7, 11

Answer: _____

6. Complete the pattern:

(1) (5) (6) - _____

Answer: _____

7. If all birds can fly, and a robin is a bird, can a robin fly?

Answer: _____

8. A school starts at 8:30 AM. Students need 15 minutes to get from the bus to class. The bus ride takes 25 minutes. What's the latest the bus can leave home?

Answer: _____

9. Which one doesn't belong with multiples_of_3? 3, 6, 12, 11

Answer: _____

10. A farmer has 15 sheep. All but 9 run away. How many sheep are left?

Answer: _____

11. If it's true that 'All roses are flowers' and 'Some flowers are red', can we conclude that 'Some roses are red'?

Answer: _____

12. Which one doesn't belong with geometric_shapes? square, rectangle, loud, pentagon

Answer: _____

13. A train leaves at 2:00 PM and takes 45 minutes to reach its destination. What time does it arrive?

Answer: _____

14. Complete the pattern:

(8) (32) (128) - _____

Answer: _____

15. Complete the pattern:



Answer: _____

16. If some students are athletes and all athletes are hardworking, what can we say about some students?

Answer: _____

17. Complete the pattern:



Answer: _____

18. In a race, Alex finished before Ben but after Carlos. Diana finished after Alex but before Ben. What is the order from first to last?

Answer: _____

19. Complete the pattern:



Answer: _____

20. Which one doesn't belong with fractions_equal_to_half? $\frac{1}{2}$, $\frac{5}{10}$, $\frac{2}{4}$, $\frac{2}{3}$

Answer: _____

21. Complete the pattern:



Answer: _____

22. If the pattern is: Monday-1, Tuesday-2, Wednesday-3, what number comes with Friday?

Answer: _____

23. Which one doesn't belong with fractions_equal_to_half? $\frac{4}{8}$, $\frac{2}{5}$, $\frac{2}{4}$, $\frac{5}{10}$

Answer: _____

24. Three friends share 24 stickers equally. Then each friend gives away 2 stickers. How many stickers does each friend have now?

Answer: _____

25. Which one doesn't belong with fractions_equal_to_half? $\frac{1}{4}$, $\frac{1}{2}$, $\frac{2}{4}$, $\frac{5}{10}$

Answer: _____

26. Sarah has more books than Tom. Tom has more books than Lisa. Lisa has 5 books. Tom has 8 books. How many books might Sarah have?

Answer: _____

27. Complete the pattern:

$\textcircled{2}$ $\textcircled{8}$ $\textcircled{32}$ - _____

Answer: _____

28. Emma saves \$2 every week. After 6 weeks, she buys a book for \$8. How much money does she have left?

Answer: _____

29. Which one doesn't belong with living_things? tree, bird, flower, computer

Answer: _____

30. Which one doesn't belong with planets? comet, Earth, Jupiter, Mercury

Answer: _____

Great job! Remember to check your work and ask questions if you need help.