Comprehensive Assessment

For Ages 8-10

Student Name: _____

Date: __July 01, 2025__

Score: _____ / _____

Instructions:

• This assessment covers Math, Logic, and Reading
• Read each question carefully and note the subject type
• Show your work for math problems
• Use complete sentences for reading questions
• Take your time and check your work

[READING]

> Every year, Lincoln Elementary School held an invention contest for fifth graders. Students had to create something useful and present it to a panel of judges. This year, twelve-year-old Sofia decided to tackle a problem she noticed at home. Her grandmother had trouble opening jars because of arthritis in her hands. Sofia researched different mechanisms and materials for three weeks. She designed a special jar opener with rubber grips and a lever system that required very little force to use. During her presentation, Sofia demonstrated how her device worked and explained the science behind leverage. The judges were impressed not only by her invention but also by her thoughtful approach to solving a real problem. Sofia won first place and donated her prize money to arthritis research.

1. How long did Sofia spend researching?

Answer: _____

[MATH]

2. 15 - 12 = _____

Answer: _____

[MATH]

3. 24 ÷ 4 = _____

Answer: _____

The coding club at Valley Elementary noticed that many elderly residents in their community struggled with using modern technology. Club president Malik proposed creating a program to help bridge this digital divide. The twelve-member club developed a series of simple tutorial videos explaining how to use smartphones, video calling apps, and online shopping platforms. They collaborated with the local senior center to organize weekly workshops where students would teach elderly participants one-on-one. The program was so successful that other schools in the district requested copies of the tutorials. Within six months, over 100 senior citizens had learned to use technology more confidently. The project earned the coding club a state-wide recognition award for community service. Most importantly, lasting friendships formed between the young tutors and their elderly students, proving that technology can bring different generations together rather than divide them.

4. What does this story suggest about technology's role in society?

Answer: _____

[LOGIC]

5. Complete the pattern:

Answer: _____

[READING]

6. Complete the sentence: The student _____ to understand the complex problem. Choose from: struggled, tried, attempted

Answer: _____

[MATH]

7. A farmer has 24 eggs to put into cartons. Each carton holds 8 eggs. How many cartons does he need?

Answer: _____

[READING]

8. Which word means the same as 'demonstrate'? Choose from: conceal, show, hide

Answer: _____

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

Answer: _____

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

Answer: _____

11. $5 \times 1 =$ _____

Answer: _____

12. $10 \times 9 =$ _____

Answer: _____

13. 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: _____

14. Complete the pattern:

(13) (21) (29) (37) - ____

Answer: _____

15. Complete the sentence: The detective will ____ the mysterious case. Choose from: investigate, examine, solve

Answer: _____

16. Which word means the same as 'cautious'? Choose from: reckless, careless, careful

Answer: _____

17. Which one doesn't belong with parts_of_speech? adjective, paragraph, noun, pronoun

Answer: _____

18. 77 + 22 = ____

Answer: _____

19. Which one doesn't belong with living_things? fish, rock, cat, grass

Answer: _____

20. 5 × 8 = ____

Answer: _____

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