



Placement Test





10th Grade Placement Test

Student Name: _____

Date: ____/____/2025

English Language Arts (ELA)

Reading Comprehension

1. Read the excerpt below and answer the question:
"The industrial revolution brought about tremendous changes, not just in manufacturing but also in society and urban development."
What is the central idea of this passage?
 - a) Urban development has not changed over time.
 - b) The industrial revolution affected various aspects of life.
 - c) Manufacturing was not impacted by the industrial revolution.
2. What is the meaning of the word "incessant" in this sentence: *"The incessant noise of the factory made it hard for workers to concentrate."*
 - a) Constant
 - b) Intermittent
 - c) Loud
3. Which of the following is an example of figurative language?
 - a) The sky was blue.
 - b) The clouds danced across the sky.
 - c) It rained for hours.
4. What is the author's purpose in the following passage?
"Without proper laws to regulate industrial pollution, many rivers and lakes became unsafe for humans and animals."
 - a) To entertain readers with a story about pollution.
 - b) To inform readers about the effects of industrial pollution.
 - c) To persuade readers to recycle.

5. What is the tone of this passage?
"The vast forest, once teeming with life, now lay silent and barren, a grim reminder of unchecked deforestation."
- a) Joyful
 - b) Nostalgic
 - c) Somber

Grammar and Vocabulary

6. Which sentence is correct?
- a) Neither of the options are suitable.
 - b) Neither of the options is suitable.
 - c) Neither of the options were suitable.
7. Identify the error in this sentence: *"The books on the shelf is dusty."*
- a) Subject-verb agreement
 - b) Punctuation
 - c) Spelling
8. Choose the correct word: *"The principal's decision had a profound _____ on the school."*
- a) Affect
 - b) Effect
 - c) Impacted
9. Which sentence uses parallel structure?
- a) She likes reading, to jog, and painting.
 - b) She likes reading, jogging, and painting.
 - c) She likes to read, jogging, and to paint.
10. What is the synonym of "benevolent"?
- a) Generous
 - b) Malevolent
 - c) Indifferent

Writing

11. Write a short argumentative paragraph on whether schools should require uniforms. Provide at least one example to support your point. (*Open-ended*)

12. Rewrite the following sentence to eliminate redundancy:
"The end result of the competition was that she won first place."

13. Write a thesis statement for an essay on the benefits of renewable energy.
(*Open-ended*)

14. Fill in the blank with the correct form of the verb:
"If he _____ earlier, he wouldn't have missed the train."
a) Left
b) Leaves
c) Had left
15. Write a persuasive paragraph encouraging teenagers to reduce screen time.
(Open-ended)

Math

Algebra

16. Solve for x : $3x - 7 = 11$
a) $x = 6$
b) $x = 4$
c) $x = 2$
17. Simplify: $4x - 2(3x + 5)$
a) $-2x - 10$
b) $2x - 10$
c) $-2x + 10$
18. Solve for y : $2y + 3 = 9$
a) $y = 3$
b) $y = 6$
c) $y = -3$
19. Factorize: $x^2 - 9x + 14$
a) $(x - 7)(x - 2)$
b) $(x + 7)(x + 2)$
c) $(x - 7)(x + 2)$

20. Solve: If $f(x) = x^2 - 4x + 1$, find $f(2)$.

- a) -1
- b) 3
- c) 0

Geometry

21. Calculate the area of a rectangle with a length of 8 cm and a width of 5 cm.

- a) 13 cm^2
- b) 40 cm^2
- c) 20 cm^2

22. Find the circumference of a circle with a radius of 7 cm. Use $\pi = 3.14$.

- a) 44 cm
- b) 21.98 cm
- c) 43.96 cm

23. A triangle has sides measuring 6 cm, 8 cm, and 10 cm. Is it a right triangle?

- a) Yes
- b) No

24. Find the volume of a cube with a side length of 4 cm.

- a) 16 cm^3
- b) 64 cm^3
- c) 48 cm^3

25. What is the sum of the interior angles of a pentagon?

- a) 360°
- b) 540°
- c) 720°

Statistics and Probability

26. A class has 20 students. If 12 are boys, what percentage are girls?

- a) 60%

- b) 40%
 - c) 50%
27. Find the median of the following data set: 3, 7, 9, 15, 17.
- a) 9
 - b) 15
 - c) 10
28. What is the probability of rolling a 4 on a standard six-sided die?
- a) $\frac{1}{6}$
 - b) $\frac{1}{4}$
 - c) $\frac{1}{3}$
29. If the mean of five numbers is 12, what is their total sum?
- a) 60
 - b) 48
 - c) 72
30. A jar contains 5 red marbles, 3 blue marbles, and 2 green marbles. What is the probability of randomly selecting a red marble?
- a) $\frac{1}{2}$
 - b) $\frac{1}{5}$
 - c) $\frac{1}{10}$

