



International FSP Contests

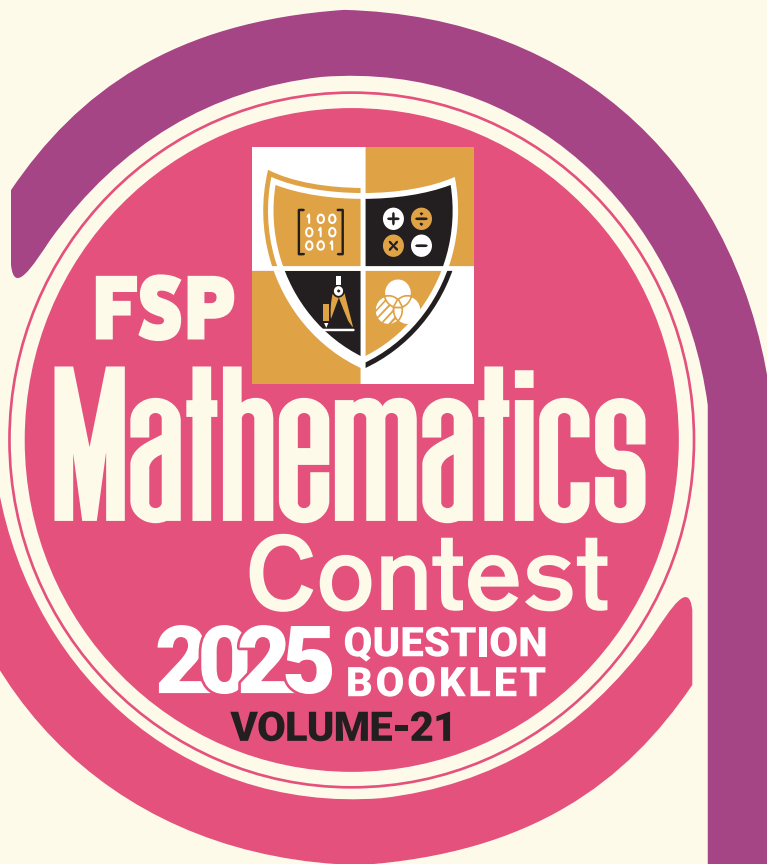


EXHIBIT YOUR SKILLS TO THE WORLD

GRADE 5 & 6

VIBRANT YOUNGSTERS

Time Allowed : 90 Minutes
Maximum Marks : 90

INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS

- 1) Invigilators must be carried out promptly.
- 2) Don't start attempting the paper until instructed by the invigilator.
- 3) Carefully recheck your name, father name, school name, address etc. at the bubble sheet / answer sheet.
- 4) Record all answers on the bubble sheet only. select best answer from the four given options and mark only one option in each question.
- 5) Use blue / black ink to fill up the circles for your answers on the bubble sheet use of lead pencil is not allowed.
- 6) Use of any helping material including cell phones and electronic devices is strictly prohibited.
- 7) Every correct answer earns three points. there would be negative marking. one point would be deducted for every incorrect answer.
- 8) Candidates may not leave the examination room unescorted for any reason, and this includes using the washroom.
- 9) No materials or electronic devices shall be brought in to the room.
- 10) There are five categories of the contest as under:
 - A** Vibrant youngsters Grade 1 & 2
 - B** Vibrant youngsters Grade 3 & 4
 - C** Vibrant youngsters Grade 5 & 6
 - D** Vibrant youngsters Grade 7 & 8
 - E** Vibrant youngsters Grade 9 & 10 / 0-levels
- 11) Only registered students can participate in the contest.
- 12) No candidate shall take out of the hall any answer book(s) or part of an answer book, whether used or unused, or other supplied material.
- 13) If a participant does not understand a word or phrase on the exam paper, neither examiner nor invigilator is permitted to answer.
- 14) for information about upcoming contests or providing valuable feedback, please visit www.fspcompetitions.org
- 15) Any academic misconduct or malpractice must be reported to FSP vibrant youngsters at info@fspcompetitions.org

Q 1. A rectangular garden is 25 m long and 12 m wide. What is the perimeter of the garden?

- A** 50 m
- B** 80 m
- C** 74 m
- D** 100 m

Q 2. The average of 36, 42, and 54 is:

- A** 40
- B** 44
- C** 46
- D** 48

Q 3. A train left at 7:20 a.m. and reached its destination at 10:05 a.m. How long was the journey?

- A** 2 h 25 min
- B** 2 h 35 min
- C** 2 h 45 min
- D** 2 h 55 min



Q 4. The cube has an edge of 8 cm. What is its volume?

- A** 64 cm³
- B** 256 cm³
- C** 512 cm³
- D** 1024 cm³

Q 5. A box has 120 marbles. $\frac{1}{3}$ are red, $\frac{1}{4}$ are green, and the rest are blue. How many blue marbles are there?



- A** 30
- B** 40
- C** 50
- D** 60

Q 6. Which net will fold into a square pyramid?

- A** 1 square + 4 triangles
- B** 1 triangle + 4 squares
- C** 6 rectangles
- D** 2 triangles + 3 squares

Q 7. A car travels 72 km in 1 hour. At the same speed, how far will it travel in 3 hours 45 minutes?

- A** 240 km
- B** 252 km
- C** 260 km
- D** 270 km



Q 8. One angle of a triangle is 40° and another is 65° . What is the third angle?

- A** 65°
- B** 75°
- C** 85°
- D** 95°



Q 9. The value of $(35 \times 15) \div 5$ is:

- A** 90
- B** 95
- C** 100
- D** 105

Q 10. Fatima bought 3 pens at Rs. 45 each and 2 notebooks at Rs. 70 each. How much money did she spend?

- A** Rs. 225
- B** Rs. 245
- C** Rs. 275
- D** Rs. 305



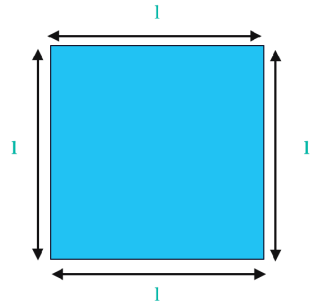
Q 11. What is the least common multiple (LCM) of 18 and 24?

- A** 36
- B** 72
- C** 96
- D** 144



Q 12. The perimeter of a square is 48 cm. What is the area of the square?

- A** 64 cm²
- B** 121 cm²
- C** 144 cm²
- D** 256 cm²



Q 13. Every 6th day, Hamza plays football. If he first plays on 4th March, when will he play the 5th time?

- A** 20th March
- B** 24th March
- C** 28th March
- D** 30th March

Q 14. If $2x + 7 = 25$, what is the value of x ?

- A** 7
- B** 8
- C** 9
- D** 10

Q 15. What is 35% of 240?

- A** 72
- B** 80
- C** 84
- D** 96

Q 16. A container holds 3.5 liters of milk. How many milliliters does it hold?

- A** 35 ml
- B** 350 ml
- C** 3500 ml
- D** 35000 ml



Q 17. Which of the following is a prime number?

- A** 39
- B** 41
- C** 49
- D** 51

Q 18. The difference between the largest 4-digit number and the smallest 4-digit number is:

- A** 8998
- B** 8999
- C** 9000
- D** 9999

Q 19. A shopkeeper sold 450 mangoes in 15 days. On average, how many mangoes did he sell per day?

- A** 25
- B** 30
- C** 35
- D** 40



Q 20. Simplify: $\frac{3}{5} + \frac{2}{3} = ?$

- A** $\frac{11}{15}$
- B** $\frac{13}{15}$
- C** $\frac{17}{15}$
- D** $\frac{19}{15}$

Q 21. Ali walks 3 km north, then 4 km east. How far is he from his starting point (shortest distance)?

- A** 3 km
- B** 4 km
- C** 5 km
- D** 7 km



Q 22. A coin is tossed 50 times and shows heads 32 times. What is the experimental probability of getting a head?

- A** $16/25$
- B** $18/25$
- C** $32/50$
- D** Both A and C



Q 23. The average age of 4 children is 12 years. If three of them are 10, 11, and 14 years old, what is the age of the fourth child?

- A** 12
- B** 13
- C** 14
- D** 15

Q 24. A farmer divides a rectangular field of length 80 m and width 60 m into square plots of 20 m side. How many plots will there be?

- A** 10
- B** 12
- C** 15
- D** 24

Q 25. Convert $\frac{7}{8}$ into a decimal.

- A** 0.725
- B** 0.75
- C** 0.775
- D** 0.875

Q 26. If today is Monday, what day will it be 45 days later?

- A** Wednesday
- B** Thursday
- C** Friday
- D** Saturday



Q 27. The mean of 5, 7, 9, 11, 13 is:

- A** 8
- B** 9
- C** 10
- D** 11

Q 28. A library has 25,000 books. 28% are science, 22% are history, and the rest are other subjects. How many science books are there?

- A** 6000
- B** 6500
- C** 7000
- D** 7200

Q 29. What is the square root of 484?

- A** 20
- B** 21
- C** 22
- D** 23



Q 30. Solve: $(45 \div 3) \times (24 \div 6)$

A 48

B 60

C 52

D 54

NOTES

ANSWER SHEET

GRADE 5 & 6

Q.NO ANSWER

- | | | | | |
|----|-----|-----|-----|-----|
| 1 | (A) | (B) | ● | (D) |
| 2 | (A) | ● | (C) | (D) |
| 3 | (A) | (B) | ● | (D) |
| 4 | (A) | (B) | ● | (D) |
| 5 | (A) | (B) | ● | (D) |
| 6 | ● | (B) | (C) | (D) |
| 7 | (A) | ● | (C) | (D) |
| 8 | (A) | ● | (C) | (D) |
| 9 | (A) | (B) | (C) | ● |
| 10 | (A) | (B) | (C) | ● |
| 11 | (A) | ● | (C) | (D) |
| 12 | (A) | (B) | ● | (D) |
| 13 | (A) | ● | (C) | (D) |
| 14 | (A) | (B) | ● | (D) |
| 15 | (A) | (B) | ● | (D) |

Q.NO ANSWER

- | | | | | |
|----|-----|-----|-----|-----|
| 16 | (A) | (B) | ● | (D) |
| 17 | (A) | ● | (C) | (D) |
| 18 | (A) | ● | (C) | (D) |
| 19 | (A) | ● | (C) | (D) |
| 20 | (A) | (B) | (C) | ● |
| 21 | (A) | (B) | ● | (D) |
| 22 | (A) | (B) | (C) | ● |
| 23 | (A) | ● | (C) | (D) |
| 24 | (A) | (B) | (C) | ● |
| 25 | (A) | (B) | (C) | ● |
| 26 | (A) | (B) | ● | (D) |
| 27 | (A) | ● | (C) | (D) |
| 28 | (A) | (B) | ● | (D) |
| 29 | (A) | (B) | ● | (D) |
| 30 | (A) | ● | (C) | (D) |



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