International Talent Search Examination - 2022-23

अंतर्राष्ट्रीय प्रतिभा खोज परीक्षा – २०२२-२३

Organized by

**Savitri Skill Development Institute, Training Partner with
Ministry of Micro Small & Medium Enterprises (MSME), Govt. of India.**

Ministry of Micro, Small and Medium Enterprises,
Government of India

TEST BOOKLET

Name : ....

Class : .... School: ....

Father's Name : .... Father's Occupation : ....

Mother's Name : .... Mother's Occupation : ....

Categories : Gen ☐   OBC ☐   SC ☐   ST ☐

Correspondence Address : ....

Date of Birth : ☐☐ ☐☐ ☐☐☐☐

Father's Contact No : ☐☐☐☐☐☐☐☐☐☐

Home/Mother's Contact No. : ☐☐☐☐☐☐☐☐☐☐

WhatsApp No. : ☐☐☐☐☐☐☐☐☐☐

Basic Instructions:

i. Ensure that your personal data has been entered correctly.
ii. Immediately after opening the test booklet verify that all the pages are printed properly and are in order. If there is a problem with your test booklet, immediately inform the invigilator. You will provided with the replacement.
iii. All questions in are compulsory.
iv. For every correct answer you will be awarded with 4 marks and for all incorrect answer 1 mark will be deducted.
v. Directions for answering the questions are given. Read those directions carefully and answer the question by circling the bubble in the OMR Sheet Provided to you. Test booklet/OMR Sheet will be submitted at the end of the examination.
vi. Follow the instructions given by the invigilator. Students found violating the instructions will be disqualified.
vii. Rough work can be done separately or on the Question paper.
viii. Please fill the bubbles in OMR sheet with Blue or Black pen only.
ix. Do not tear the question paper or OMR sheet else you will be disqualified in the examination.
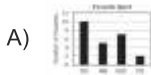
CLASS-4 MATHEMATICS

1. Which clock shows the time 3:42?

   A)   B)   C)   D)

2. Use the table below to answer the question.

   Favorite Sports

Sport	Number of Votes
football (FB)	10
basketball (BB)	5
soccer (SOC)	7
volleyball (VB)	2

   The students in the fourth grade class voted for their favorite sport. Which bar graph shows results of the students vote?

   A)   B)   C)   D)

3. There are 16 students from Mr. Block's class at the library. The other four students in the class are practicing math facts in the classroom. Which number sentence shows the total number of students in Mr. Block's class?
   A)   16 + 4   B) 16-4   C) 16 x 4   D) 16-r4

4. Cody rides his bike to the park to meet a friend at noon. Cody arrives at the park at 11 :(X) a.m. Which question can be answered using this information?
   A)   What is the distance between the park and Cody's house?
   B)   How long could Cody have to wait for his friend?
   C)   How long does Cody stay at the park?
   D)   When will Cody leave to go home?

5. Use the picture below to answer the question.
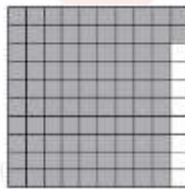
   Which decimal number names the shaded part of this square?
   A)   0.08   B) 0.20   C)   0.92   D)   0.98

6. Which letter has a pair of parallel lines?
   A)   H   B) T   C) V   D) X

7. Which number correctly completes the number sentence 80 x 34 _____ ?
   A)   272   B) 560   C) 1,920   D) 2,720

8. Use the table below to answer the question.

   City Populations

 | City | Population |
   |---|---|
   | Denton | 28,097 |
   | Bomberg | 28,207 |
   | Windham | 29,700 |
   | Sanhill | 27,980 |

   Which list of city populations is in order from least to greatest?
   A)   28,097;   28,207;   29,700;   27,980
   B)   29,700;   28,207;   28,097;   27,980
   C)   27,980;   28,097;   28,207;   29,7(X)
   D)   27,980;   28,207;   28,097;   29,7(X)

9. Which number correctly completes the subtraction sentence 5.0 - 3.25 = _____ ?
   A) 1.25　　　　　　B) 1.75　　　　　　C) 2.25　　　　　　D) 2.75

10. Which is the most appropriate metric unit for measuring the length of a spoon?
    A) meter　　　　　B) kilometer　　　　C) millimeter　　　　D) centimeter

11. Which symbol correctly completes the number sentence 9 + 5 △ 18 - 5?
    A) +　　　　　　　B) =　　　　　　　　C) ≤　　　　　　　　D) ≥

12. Which number correctly completes the division sentence 3,000 ÷ 30 = _____ ?
    A) 10　　　　　　　B) 100　　　　　　　C) 1,000　　　　　　D) 10,000

13. What is the value of n in the equation 64 ÷ n = 8
    A) 2　　　　　　　　B) 4　　　　　　　　C) 6　　　　　　　　D) 8

14. Which triangle has one obtuse angle?

    A) 　　B) 　　C) 　　D)

15. A building is 36 feet high. What is the height of the building in yards?
    A) 1 yard　　　　　B) 3 yards　　　　　C) 12 yards　　　　D) 108 yards

16. Brad draws a shape on his paper. The shape has four sides. It has only one pair of parallel sides. What shape does Brad draw?
    A) parallelogram　　B) rectangle　　　C) square　　　　　D) trapezoid

17. Which circle has — shaded?

    A) 　　B) 　　C) 　　D)

18. Which coordinate grid shows the ordered pair (3, 5)?

    A) 　　B) 　　C) 　　D)

19. Use the line plot below to answer the question.

Videos Checked Out by Students
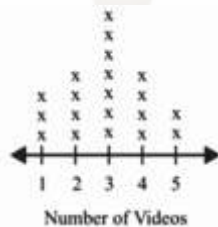
Mrs. West keeps track of the number of videos each student checks out from the library. How many students check out more than three videos?
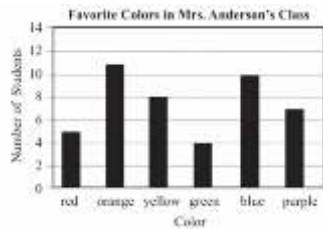   A) 4 students　　　B) 5 students　　　C) 6 students　　　D) 7 students

20. Use the picture below to answer the question.
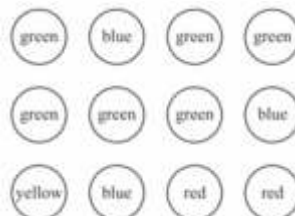
Sam will use one marker to color half of the circles. What is the color of the marker Sam will use?
   A) blue　　　　　　B) green　　　　　　C) red　　　　　　　D) yellow

21. Use the graph below to answer the question.
Favorite Colors in Mrs. Anderson's Class

Mrs. Anderson graphs her students' favorite colors. In art class, the students paint a picture with their favorite color. All bottles of paint have the same amount to start with. Which two colors of paint are likely to run out first?
A)   red and green   B)   red and orange   C)   orange and blue   D)   yellow and purple

22. Which number sentence shows the commutative property of multiplication?
A)   9 x 7 = 7 x 9   B) 9 x 1 = 9   C) 9 x 0 = 0   D)   (9 x 2) x 7 = 9 x (2 x 7)

23. Sara has $56.00. She earns $19.00 more. How much money does Sara have in all?
A) $37.00   B) $43.00   C) $65.00   D) $75.00

24. Use the number line below to answer the question.
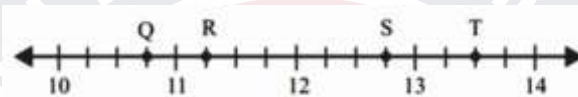
Which point is located at $12\frac{3}{4}$?
A) point Q   B) point R   C) point S   D) point T

25. Use the equation below to answer the question.
14x3 = 42
Which statement correctly interprets the expression?
A)   14 is 3 more than 42.   B)   42 is 14 more than 3.
C)   14 is 3 times as many as 42.   D)   42 is 3 times as many as 14.

26. Use the fraction models below to answer the question.
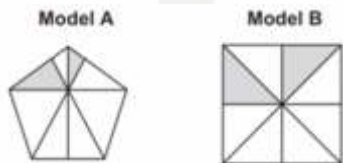
Which pair of statements about the fraction models is true?
A.   The fraction models represent different fractions. This is true because model A is a different shape than model B.
B.   The fraction models represent different fractions. This is true because the sections in model A are not all the same size.
C.   The fraction models represent the same fraction. This is true because both models are made of sections that are in the shape of a triangle.
D.   The fraction models represent the same fraction. This is true because both models have the same total number of sections and the same number of shaded sections.

27. Olivia used the rule "Add 11" to create the number pattern shown below.
10,21,32,43,54
Which statement about the number pattern is true?
A.   The 10th number in the pattern will be an even number.
B.   The number pattern will never have two even numbers next to each other.
C.   The next two numbers in the pattern will be an even number then an odd number.
D.   If the number pattern started with an odd number then the pattern would have only odd numbers in it.

28. A post office delivered eighteen thousand ninety-six pieces of mail in a week. What is this number of pieces of mail written in expanded form?
A)   18+1,000 + 90 + 6   B)   18+1,000 + 900 + 60
C)   10,000 + 8,000 + 90 + 6   D)   10,000 + 8,000 + 900 + 60

29. On 6 different days, Sydney read a book for - of an hour. What was the total amount of time Sydney read her book on the 6 different days?

A) $\frac{24}{30}$ of an hour   B) $\frac{10}{11}$ of an hour   C) $\frac{10}{5}$ hour   D) $\frac{24}{5}$ hour

30. Nila has 4 puppies. Each puppy weighs - pounds. Nila used the expression below to represent the total weight of her puppies.

$$4 \times \frac{4}{3}$$

Which model also represents the total weight of Nila's 4 puppies?

A)

B)

C)

D)

31. Frankie's baseball team scored 16 runs in a game. Max's baseball team scored 8 runs in a game. Which statement about the number of runs scored by Frankie's and Max's baseball teams is true?
   A) Frankie's team scored 2 times as many runs as Max's team because 16 = 2 x 8.
   B) Frankie's team scored 2 times as many runs as Max's team because 8 = 2 x 16.
   C) Max's team scored 2 times as many runs as Frankie's team because 16 = 2 x 8.
   D) Max's team scored 2 times as many runs as Frankie's team because 8 = 2 x 16.

32. An office building has 300,000 + 5,000 + 600 + 10 square feet of floor space. What is the number of square feet of floor space written in standard form?
   A) 30,561   B) 35,610   C) 300,561   D) 305,610

33. Use the number below to answer the question.
                    107,792
   Which statement about the two values of the digit 7 is correct?
   A) The value of the underlined 7 is 10 times less than the value of the other 7.
   B) The value of the underlined 7 is 100 times less than the value of the other 7.
   C) The value of the underlined 7 is 10 times more than the value of the other 7.
   D) The value of the underlined 7 is 100 times more than the value of the other 7.

34. Collin spent 7 hours volunteering last month. Vanessa spent 21 hours volunteering last month. Which equation correctly shows how many times more hours Vanessa spent volunteering last month than Collin?
   A) 7x3 = 21   B) 7x14 = 21   C) 21 x 3 = 63   D) 21x7 = 147

35. Use the equation below to answer the question.
                    7 x 3,092 = ☐
   Which expression could be used to correctly fill in the ☐?
   A) (7 x 30) x (7 x 92)   B) (7 x 30) + (7 x 90) + (7x2)
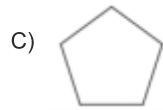   C) (7 x 3,000) + (7 x 90) + (7x2)   D) (7 x 3,000) + (7 x 900) + (7 x 20)

36. Which statement about $\frac{3}{4}$ and $\frac{9}{10}$ is true?

A) $\frac{3}{4}$ = $\frac{9}{10}$ because 4 - 3 = 1 and 10 - 9 = 1

B) $\frac{3}{4}$ = $\frac{9}{10}$ because 3 + 6 = 9 and 4 + 6 = 10

C) $\frac{3}{4} < \frac{9}{10}$ because 3 is less than 9 and 4 is less than 10.

D) $\frac{3}{4} < \frac{9}{10}$ because $\frac{3}{4}$ is less than $\frac{4}{5}$ and $\frac{9}{10}$ is greater than $\frac{4}{5}$.

37. Josie drew a shape that has both parallel sides and perpendicular sides. Which shape could be the one Josie drew?

A)

B)

C)

D)

38. Taylor's jump rope is shown in the diagram below.

Taylor's Jump Rope

4 yards

Which measurement is the same as the length of Taylor's jump rope?
A) 12 feet   B) 12 inches   C) 48 feet   D) 48 inches

39. A newspaper company sold 179,912 newspapers in one day. What is this number of newspapers written in word form?
A) one hundred seventy-nine thousand twelve
B) one hundred seventy-nine nine hundred twelve
C) one hundred seventy thousand nine hundred twelve
D) one hundred seventy-nine thousand nine hundred twelve

40. Ed has climbed 9 flights of stairs. He needs to climb a total of 15 flights of stairs. The shaded region of which figure models the number of flights of stairs Ed has climbed out of the total number he needs to climb?

A)

B)

C)

D)
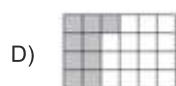
41. The amount of time, in hours, that Anna practiced the piano each day for 11 days is shown on the line plot below.

Anna's Piano Practice

Practice Time (hours)
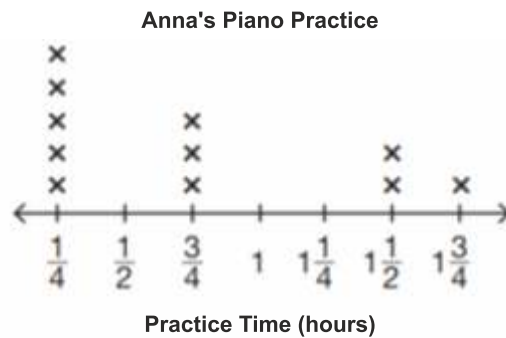
How many hours in total did Anna practice the piano over the 11 days?

A) $4\frac{1}{4}$ hours

B) $6\frac{3}{4}$ hours

C) $7\frac{3}{4}$ hours

D) $8\frac{1}{4}$ hours

42. Stephanie flew 2,448 miles from Los Angeles to New York City. What is the number of miles Stephanie flew rounded to the nearest thousand?
A) 2,000　　　　　　　B) 2,400　　　　　　　C) 2,500　　　　　　　D) 3,000

43. Jacqui is organizing triangles into groups based on the characteristics of each triangle. She has a triangle that needs to be organized into one or more of the groups. The triangle and group characteristics are shown below.

Triangle and Groups

Group	Characteristic
1	acute triangle
2	obtuse triangle
3	right triangle
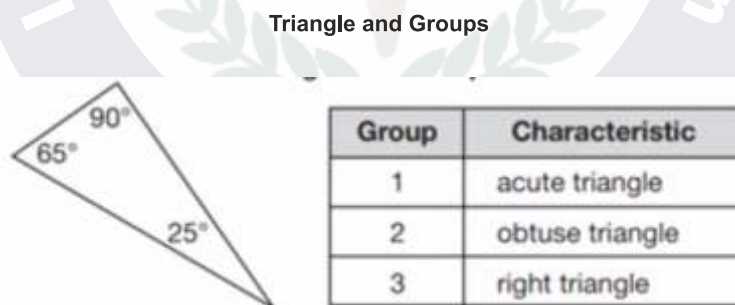
Which statement about where Jacqui's triangle belongs is true?
A) only group 1 because two of the angles are acute
B) only group 3 because one of the angles measures 90°
C) groups 1 and 3 because the triangle has both a right and an acute angle
D) groups 1 and 2 because the sum of the acute angles is greater than 90°

44. Erin made 12 pints of juice. She drinks 3 cups of juice each day. How many days will Erin take to drink all of the juice she made?
A) 2 days　　　　　　　B) 4 days　　　　　　　C) 8 days　　　　　　　D) 9 days

45. Information about what the students in Mr. Paulson's class and in Ms. Hugo's class ate for lunch is listed below.

- In Mr. Paulson's class, 0.5 of the students ate pizza for lunch.
- In Ms. Hugo's class, 0.5 of the students ate hamburgers for lunch.

What information, if any, is needed to correctly compare the 0.5 of Mr. Paulson's class that ate pizza to the 0.5 of Ms. Hugo's class that ate hamburgers?
A) whether the lunches were eaten on the same day
B) the total number of students in each teacher's class
C) nothing because the portions each class ate were the same
D) the total number of pizza slices and hamburgers eaten that day