Impact Evaluation of Mindspark Centers

Math Baseline Test
Grades 6 and 7

1. Name of the Mindspark center:

2. Center ID:

3. Name of the student:

4. Student ID:

1. Write the correct answer in the space:

$$48 \quad \times \quad 5 \quad = \quad \boxed{}$$

    A. 200
    B. 240
    C. 420
    D. 500

2. Write the correct answer in the space:

$$52 \quad - \quad 7 \quad = \quad \boxed{}$$

    A. 59
    B. 25
    C. 45
    D. 364

3. Write the correct answer in the space:

$$243 \quad + \quad 176 \quad = \quad \boxed{}$$

    A. 419
    B. 67
    C. 70
    D. 914

4. Write the correct answer in the space:

$$27 \quad \div \quad 3 \quad = \quad \boxed{}$$

    A. 9
    B. 3
    C. 24
    D. 30

5. Write the correct answer in the space:

$$49 \quad - \quad 28 \quad = \quad \boxed{}$$

   A. 77
   B. 21
   C. 12
   D. 39
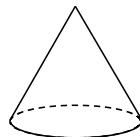
6. Write the answer.

$$20 \quad \div \quad 5 \quad = \quad \boxed{}$$

   E. 5
   F. 4
   G. 3
   H. 6
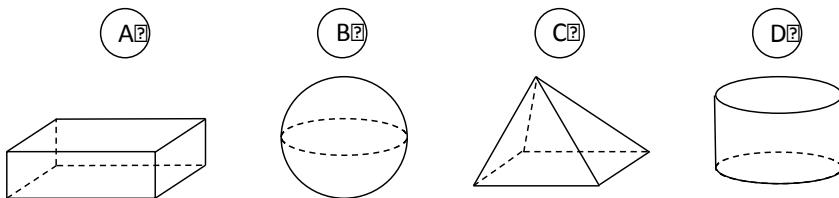
7. Here is a cone. Part of its surface is flat and part of its surface is curved.
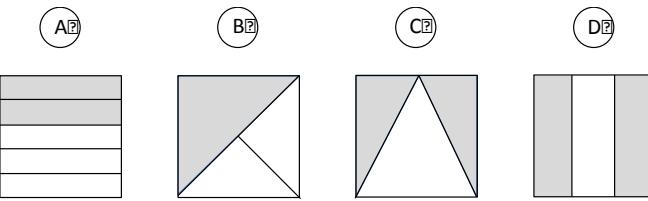
Which of these solids also has a flat surface and a curved surface?
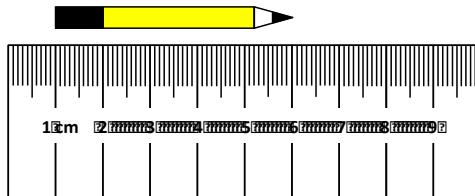
A   B   C   D

8. Which shows $\frac{2}{3}$ of the square shaded?

9. The length of this pencil is about _____.

    A. 4 cm
    B. 5 cm
    C. 6 cm
    D. 7 cm

10. Shaheen has 2 pencil boxes. Each box has 5 pencils. How will you find the total number of pencils in the two pencil boxes?

    A. $2 + 5$
    B. $5 - 2$
    C. 2×5
    D. $2 + 2$

11. It takes Diksha 4 minutes to wash a window. She wants to know how many minutes it will take her to wash 8 windows at this rate. She should:

    A. multiply 4×8
    B. divide 8 by 4
    C. subtract 4 from 8
    D. add 8 and 4

12. Write the answer.

$$2\frac{1}{2} + 1\frac{1}{2} \quad = \quad \boxed{}$$

    A. $3\frac{2}{4}$

    B. 3

    C. $3\frac{1}{2}$

    D. 4

13. This chart shows temperature readings made at different times on four days.

Temperatures					
	6 a.m.	9 a.m.	Noon	3 p.m.	8 p.m.
Monday	15°	17°	20°	21°	19°
Tuesday	15°	15°	15°	15°	9°
Wednesday	8°	10°	14°	14°	15°
Thursday	8°	11°	14°	14°	20°

When was the highest temperature recorded?

    A. noon on Monday
    B. 3 p.m. on Monday
    C. noon on Tuesday
    D. 3 p.m. on Wednesday

14. Arrange these fractions in ascending order (from smallest to largest).

$$\frac{3}{8}, \frac{5}{16}, \frac{5}{8}$$

    A. $\frac{3}{8}, \frac{5}{8}, \frac{5}{16}$

    B. $\frac{5}{16}, \frac{5}{8}, \frac{3}{8}$

    C. $\frac{5}{16}, \frac{3}{8}, \frac{5}{8}$

    D. $\frac{3}{8}, \frac{5}{16}, \frac{5}{8}$
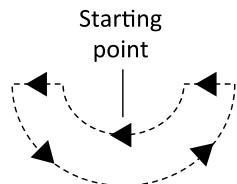
15. $(5698 + 3397) \times 5508 \times (0 \div 2754)$ equals:

    A. 0
    B. 9095
    C. a number greater than a lakh
    D. none of the above as we cannot divide 0 by a number

16. An ant starts at a point on this shape, walks along the boundary and comes back to the starting point. It does not turn back at any time.

Which of the following is the same as the distance walked by the ant?

    A. the length of the ant
    B. the perimeter of the shape
    C. the area enclosed by the shape
    D. the length of the horizontal lines in the shape

17. A table showing the details and features of various models of TV that a company manufactures is shown below.

| Model	Features				Price (in Rs)
	Flat screen	Auto programming	Full function remote	Stereo sound system	
A	X	X	X	X	15,700
B	X	X	X		14,299
C		X	X	X	14,689
D		X			12,899
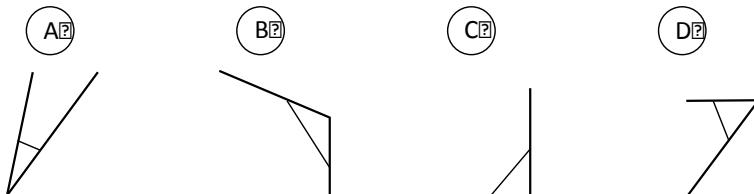
Mrs. Shastri wants to buy a **TV and a voltage stabilizer** within a budget of Rs. 15,000. The features which he wants his TV to have are a "full function remote" and "stereo sound system".

A stabilizer costs Rs. 300. Which model should she buy?

    A. model A
    B. model B
    C. model C
    D. model D

18. Which angle has the greatest degree measure?

19. Ruchika and Sharanya are answering a paper containing 100 very simple questions. For each 5 correct answers, one gets a chocolate. As per the rule and the results, Ruchika got 15 chocolates and Sharanya got 10 chocolates. Which of the following is true?

    A. Ruchika got 5 more questions right than Sharanya
    B. Ruchika got 10 more questions right than Sharanya
    C. Ruchika got 25 more questions right than Sharanya
    D. Ruchika got 1 more question right than Sharanya

20. What is the total bill amount?

Kamal Stationery			
24, Ghandi Road, Ahmedabad			
Goods	Price	Qty.	Amount
Rubber	2.00	5	10.00
Ruler	1.50	1	1.50
Pencil	3.00	1	3.00
Chalk box	15.00	1	15.00
		Total Rs.	?
		For, Kamal Stationery	

    A. Rs. 10.00.
    B. Rs. 21.50.
    C. Rs. 29.00.
    D. Rs. 29.50.

21. The temperature at 7 a.m. one morning was 12°C. It increased by 2°C every hour until it reached 20°C at 11 a.m. What was the temperature at 9 a.m.?

    A. 14°C
    B. 15°C
    C. 16°C
    D. 17°C

22. $64 \div \blacksquare = \blacksquare$

In this number sentence, $\blacksquare$ stands for the same number. What number does $\blacksquare$ stand for?

    A. 4
    B. 8
    C. 16
    D. 32

23. See the pattern of numbers in the number chart below:

	Column 1	Column 2	Column 3	Column 4	Column 5
Row 1	4	8	12	16	20
Row 2	24	28	32	36	40
Row 3	44	48	52	56	60
Row 4	64	68	72	76	80
Row 5					

Which of these is the correct way of finding the number that will appear just below 64 in column 1?

    A. adding 1 to 64
    B. adding 4 to 64
    C. adding 20 to 64
    D. adding 44 to 64

24. What do you have to do to each number in Column A to get the number next to it in Column B?

Column A	Column B
10	2
15	3
25	5
50	10

    A. add 8 to the number in Column A
    B. subtract 8 from the number in Column A
    C. multiply the number in Column A by 5
    D. divide the number in Column A by 5
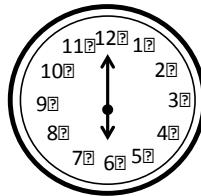
25. 25×18 is more than 24×18. How much more?

    A. 1
    B. 18
    C. 24
    D. 25

26. What time is this clock showing?

    A. half past twelve
    B. six o'clock
    C. half past six
    D. twelve o'clock

27. $18.23 - 0.2 =$

    A. 18.03
    B. 18.21
    C. 16.23
    D. 18.30

28. $921 \times 123 =$

    A. 113283
    B. 5526
    C. 102283
    D. 942183

29. $\dfrac{9}{8} \times \dfrac{2}{3} =$

      A. $\dfrac{3}{4}$

      B. $\dfrac{18}{21}$

      C. $\dfrac{19}{24}$

      D. $\dfrac{27}{16}$
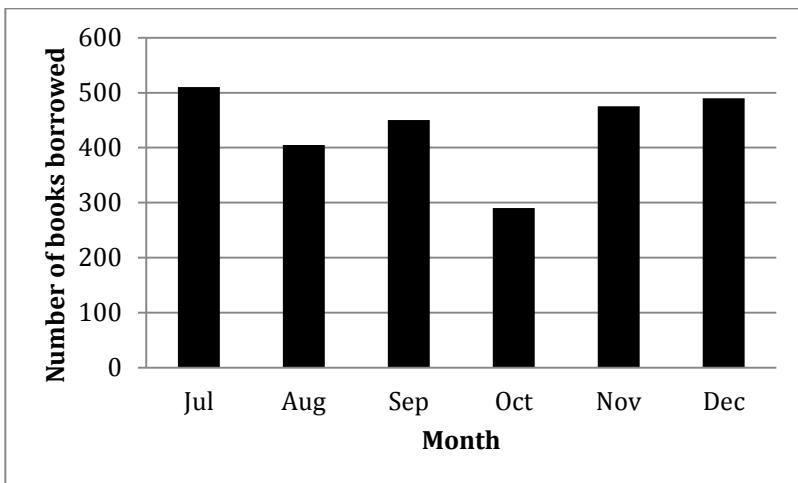
30. $0.624 \div 1.04 =$

      A. 0.06

      B. 0.60

      C. 60

      D. 6

31. The graph below shows the number of books borrowed from a children's library from July 1 to December 31. Which of the following CAN be found out from this graph?

      A. the number of books borrowed between 15th and 30th November

      B. why such few books were borrowed in October

      C. the number of children who visited the library in August

      D. the month(s) in which more than 500 books were borrowed

32. The scale on a map indicates that 1 centimeter on the map represents 4 kilometers on the land. The distance between two towns on the map is 8 centimeters. How many kilometers apart are the two towns?

    A. 2
    B. 8
    C. 16
   D. 32
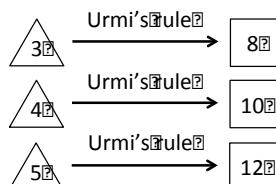
33. If the pattern 3, 6, 9, 12 was continued, which of these numbers would be one of the numbers in the pattern?

    A. 26
    B. 27
    C. 28
    D. 29

34. Urmi used a rule to get the number in the ☐ from the number in the △.

What was the rule?

    A. multiply by 1 then add 5
    B. multiply by 2 then add 2
    C. multiply by 3 then subtract 1
    D. multiply by 4 then subtract 4

35. In which of the following figures is the dotted line a line of symmetry?