

▶ MATHEMATICS BRIDGE COURSE TEST

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BRIDGE COURSE
THE GUIDE



2023

Bridge course Test



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MATHEMATICS (E.M)

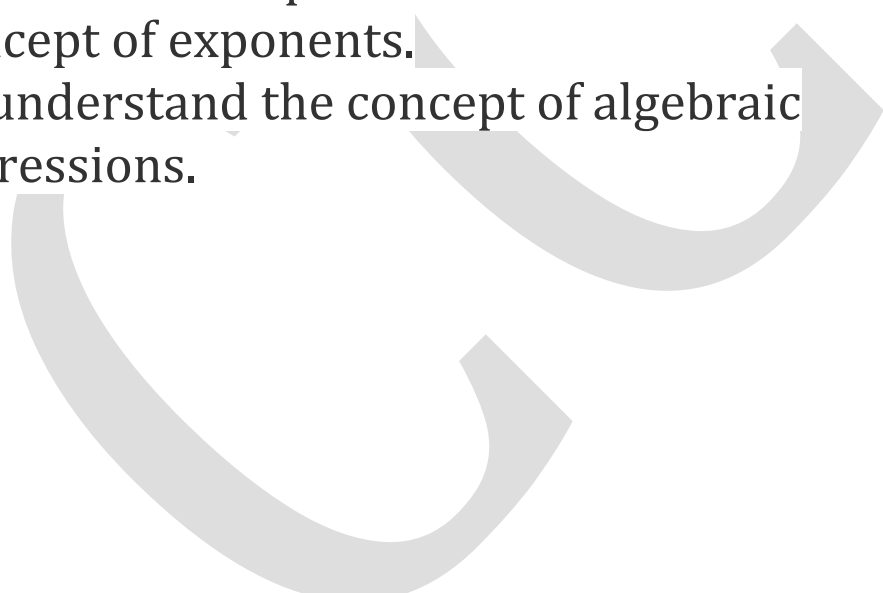
BRIDGE COURSE TEST-2023

**T.SHIVAJI, MMDRS Harapanahalli town, Vijayanagara dist,
Mobile.9916142961**

Learning competencies

Class : 8th std.

Subject : Mathematics

1. Concept of integers.
 2. To know about fractions and decimals.
 3. To calculate the mean, median and mode.
 4. To know about simple equations.
 5. To understand the angles and lines.
 6. To understand the properties of triangles.
 7. Concept of rational numbers.
 8. To calculate the perimeter and area.
 9. Concept of exponents.
 10. To understand the concept of algebraic expressions.
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BRIDGE COURSE PRE TEST -2023

Class : 8th std.

Subject : Mathematics

Date:

No.of questions: 20

1. Add : $(-1)+(-2)+(-8)$.
2. Which is the additive inverse?
3. Simplify : $\frac{1}{2} + \frac{3}{4}$.
4. Subtract 1.25 from 2.25.
5. What is mean data?
6. Find the median for 1, 9, 6.
7. Solve : $z+5=8$
8. What is equation?
9. Acute angle must be lie between degrees.
10. What is line segment?
11. Write the formula to find the area of triangle.
12. How many degrees in a triangles must have?
13. Find : $-\frac{1}{2} \times \frac{3}{2}$.
14. What is rational number?
15. Find the perimeter of square when its side is 4m.
16. If radius of circle is 7cm, find its area.
17. The value of $2^2 \times 2^5 \times 2^8$ is
18. State third law of exponents.
19. Add : $4x, 5y, 8x, -9x, 10y, \& 3x$.
20. Multiply : $3xyz \& -8xy$.

BRIDGE COURSE PRE TEST -2020

Class : 8th std.

Subject : Mathematics

Date:

No.of questions: 20

1. Represent $\frac{3}{4}$ on number line.
2. Multiply : $-\frac{4}{12}$ & $\frac{2}{8}$.
3. Simplify : $\frac{1}{2} - \frac{3}{4}$.
4. Find the product of 2.65 & 1.22.
5. Calculate the mean data for 1, 2, 8, 9, 8, 7, 11, 2.
6. The mode of data 4,5,4,7,5,4,5,5,1,4,7,7,4 is
7. Solve : $2x+5=13$
8. Find the value of z in $\frac{3z}{4}=9$
9. What is parallel lines?
10. 175° is an example for angle.
11. What is triangle?
12. How many angles does have triangle?
13. Solve : $-\frac{1}{7} + \frac{5}{2}$.
14. Find : $\frac{3}{12} \times \frac{5}{21}$.
15. Find the area of parallelogram when its base is 10cm and height is 5cm.
16. Find the circumference of the triangle r=14cm.
17. Give the examples for first law of exponents.
18. Simplify : $3^4 \times 2^8 \times 3^9 \times 3^4 \times 2^7$.
19. Simplify : $-3y+10y+7y-6y$.
20. Find the product of $8yxz^2$ & $-2xy^2z$.

Bridge course test – Result analysis

Subject: Mathematics

Class : _____

| Sl no | Name of the student | Test | Abilit y1 | | Abilit y2 | | Abilit y3 | | Abilit y4 | | Abilit y5 | | Ability 6 | | Ability 7 | | Ability 8 | | Ability 9 | | Ability 10 | | A | B | Is student comes under remedial? |
|-------|---------------------|------|-----------|---|-----------|---|-----------|---|-----------|---|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|------------|----|---|---|----------------------------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | |
| 1 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | Pre | | | | | | | | | | | | | | | | | | | | | | | |
| | | Post | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 12 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 13 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 14 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 15 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 16 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 17 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 18 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 19 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 20 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 21 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |
| 22 | Pre | | | | | | | | | | | | | | | | | | |
| | Post | | | | | | | | | | | | | | | | | | |

Subject teacher

Principal/Head master

List of students which are comes under remedial teaching

Subject : Mathematics

Class:

| Sl no | Name of the student | Performance in the month | | | | | | Overall performance |
|-------|---------------------|--------------------------|--------|-----------|---------|----------|----------|---------------------|
| | | July | August | September | October | November | December | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |

Action plan for remedial teaching

Class : 8th std

Subject : Mathematics

| Sl no | Ability | Activity | Allotted period | Result |
|-------|--|----------|-----------------|--------|
| 1 | Concept of integers. | | | |
| 2 | To know about fractions and decimals. | | | |
| 3 | To calculate the mean, median and mode. | | | |
| 4 | To know about simple equations. | | | |
| 5 | To understand the angles and lines. | | | |
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| 7 | Concept of rational numbers. | | | |
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| 9 | Concept of exponents. | | | |
| 10 | To understand the concept of algebraic expressions | | | |