

# CBSE Sample Question Paper Term 1

Class – VIII (Session : 2021 - 22)

Class 08 - Mathematics

Subject- Mathematics041 - Test - 04

**Maximum Marks:** 50

**Time Allowed:** 1 hour 30 minutes

**General Instructions:**

1. The question paper contains 50 questions
2. Attempt any 40 questions.
3. There is no negative marking.

Chapter Name	Multiple Choice Question	Total
Rational Numbers	5 (1)	5 (5)
Linear Equations in One Variable	5 (1)	5 (5)
Understanding Quadrilaterals	5 (1)	5 (5)
Data Handling	5 (1)	5 (5)
Squares and Square Roots	5 (1)	5 (5)
Cubes and Cube Roots	5 (1)	5 (5)
Comparing Quantities	8 (1)	8 (8)
Exponents and Powers	5 (1)	5 (5)
Playing with Numbers	7 (1)	7 (7)
<b>Total</b>	<b>50 (50)</b>	<b>50 (50)</b>



# CBSE Sample Question Paper Term 1

Class – VIII (Session : 2021 - 22)

## SUBJECT- MATHEMATICS041 - TEST - 04

Class 08 - Mathematics

Time Allowed: 1 hour and 30 minutes

Maximum Marks: 50

### General Instructions:

1. The question paper contains 50 questions
2. Attempt any 40 questions.
3. There is no negative marking.

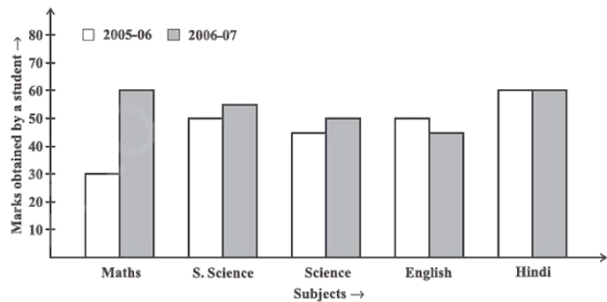
1. The numerical expression  $\frac{3}{8} + \left(\frac{-5}{7}\right) = \frac{-19}{56}$  shows that [1]
  - a) addition of rational numbers is not commutative
  - b) rational numbers are not closed under addition
  - c) rational numbers are closed under multiplication
  - d) rational numbers are closed under addition
2. Find:  $\frac{-4}{5} \times \frac{3}{7} \times \frac{15}{16} \times \left(\frac{-14}{9}\right)$  [1]
  - a) 2
  - b) 0
  - c) 1
  - d)  $\frac{1}{2}$
3. Find the decimal representation of  $\frac{8}{3}$ . [1]
  - a) 2
  - b)  $2.\bar{6}$
  - c) 3.7
  - d) 2.6
4. Find  $\frac{3}{5} + \left(-\frac{5}{12}\right) + \left(-\frac{7}{15}\right) + \frac{5}{20}$  [1]
  - a)  $-\frac{1}{30}$
  - b) -1
  - c) 30
  - d)  $\frac{1}{30}$
5. The reciprocal of  $\frac{-3}{8} \times \left(\frac{-7}{13}\right)$  is: [1]
  - a)  $\frac{21}{104}$
  - b)  $\frac{104}{21}$
  - c)  $\frac{-21}{104}$
  - d)  $\frac{-104}{21}$
6. The sum of three consecutive multiples of 7 is 357. Find the smallest multiple. [1]
  - a) 116
  - b) 119
  - c) 126
  - d) 112
7. Solve:  $8x + 4 = 3(x - 1) + 7$  [1]
  - a) 1
  - b) 2
  - c) 0
  - d) 9



8. The denominator of a rational number is greater than its numerator by 8. If the numerator is increased by 17 and the denominator is decreased by 1, the number obtained is  $\frac{3}{2}$ . Find the rational number. [1]
- a) 13 b)  $\frac{13}{21}$   
 c) 21 d)  $\frac{21}{13}$
9. Half of a herd of deer are grazing in the field and three-fourths of the remaining are playing nearby. The rest 9 are drinking water from the pond. Find the number of deer in the herd. [1]
- a) 36 b) 72  
 c) 24 d) 12
10. The perimeter of a rectangular swimming pool is 154m. Its length is 2m more than twice its breadth. What are the length and breadth of the pool? [1]
- a) 52m, 25m b) 41m, 14m  
 c) 36m, 63m d) None of these
11. Find the number of sides of a regular polygon whose each exterior angle has a measure of  $45^\circ$ . [1]
- a) 4 b) 3  
 c) 6 d) 8
12. The sum of the measures of the three angles of a triangle is \_\_\_\_\_. [1]
- a)  $210^\circ$  b)  $180^\circ$   
 c)  $90^\circ$  d)  $360^\circ$
13. The number of diagonals in a polygon of n sides is [1]
- a)  $n(n-3)$  b)  $\frac{n(n-1)}{2}$   
 c)  $\frac{n(n-3)}{2}$  d)  $\frac{n(n-2)}{2}$
14. ABCD is a quadrilateral in which AB = 5 cm, CD = 8 cm and the sum of angle A and angle D is  $180^\circ$ . What is the name of this quadrilateral? [1]
- a) Parallelogram b) Can not be determined  
 c) Rhombus d) Trapezium
15. In a square ABCD, the diagonals meet at point O. The  $\triangle AOB$  is [1]
- a) scalene right triangle b) isosceles right triangle  
 c) isosceles triangle but not right triangle d) equilateral triangle
16. A coin is tossed two times. The number of possible outcomes is [1]
- a) 2 b) 4  
 c) 1 d) 3
17. \_\_\_\_\_ can be grouped and presented systematically through grouped frequency distribution. [1]

- a) Raw data
- b) Interval
- c) Observation
- d) None of these

18. In which subject is the performance same as previous year? [1]



- a) English
- b) Maths
- c) Science
- d) Hindi

19. Tally marks are used to find: [1]

- a) upper limit
- b) frequency
- c) class intervals
- d) range

20. The following pie chart shows the times spent by a child during a day. What proportion of the sector for hours is spent in school? [1]



- a)  $\frac{1}{2}$
- b) None of these
- c)  $\frac{1}{3}$
- d)  $\frac{1}{4}$

21. The square root of 2025 is [1]

- a) 48
- b) 46
- c) 47
- d) 45

22. Which of the following would end with digit 6? [1]

- a)  $444^2$
- b)  $342^2$
- c)  $433^2$
- d)  $457^2$

23. Which of the given number is not a perfect square number? [1]

- a) 1024
- b) 484
- c) 456
- d) 900

24. Find the perfect square number between 40 and 50. [1]

- a) 46
- b) 49
- c) 48
- d) 47

25. What will be the number of zeros in the square of 30? [1]

- a) 5  
c) 2
- b) 1  
d) 3
26. The cube of 43 is \_\_\_\_\_. [1]  
a) 15625  
b) 50653  
c) 9261  
d) 79507
27. Find the cube root of -132651. [1]  
a) 51  
b) -51  
c) 15  
d) 41
28. What is the cube of double of a? [1]  
a)  $8a^3$   
b)  $4a^2$   
c)  $16a^3$   
d)  $2a$
29. If  $(9261)^{1/3} = 2p + 3$ , then the value of p is [1]  
a) 9  
b) 7  
c) 8  
d) 5
30. If a is a non-zero number, then  $a \times a \times a = a^3$  is called \_\_\_\_\_ of a. [1]  
a) square  
b) cube root  
c) square root  
d) cube
31. If  $\frac{7}{3}\%$  of a number is 42, then the number is [1]  
a) 800  
b) 1800  
c) 9800  
d) 180
32. An item marked at Rs 720 is sold for Rs 600. What is the discount amount? [1]  
a) Rs 130  
b) Rs 140  
c) None of these  
d) Rs 120
33. Amit bought a second-hand washing machine for Rs 9,500, then spent Rs 500 on its repairs and [1]  
sold it for Rs 10,600. Find his gain or loss.  
a) Loss of Rs 600  
b) Gain of Rs 400  
c) Gain of Rs 600  
d) None of these
34. Avinash bought an electric iron for ₹ 900 and sold it at a gain of 10%. He sold another electric [1]  
iron at 5% loss which was bought at ₹1200. On the transaction, he has a -  
a) loss of ₹75  
b) loss of ₹30  
c) profit of ₹75  
d) profit of ₹30
35. Find the ratio of 5 km to 10 m. [1]  
a) It is 1:500  
b) It is 20:1  
c) It is 500:1  
d) It is 1:20





46. Let  $abc$  be a three-digit number. Then  $abc - cba$  is not divisible by [1]
- a) 9 b) 11  
 c) 33 d) 18
47. Find  $Q$  in the addition. [1]
- $$\begin{array}{r} 31Q \\ +1Q3 \\ \hline 501 \end{array}$$
- a) 8 b) 6  
 c) 5 d) 7
48. Find the value of  $A$  &  $B$  from the following?  $3A + 25 = B2$  [1]
- a)  $A = 6, B = 6$  b)  $A = 7, B = 7$   
 c)  $A = 7, B = 6$  d)  $A = 6, B = 7$
49. If  $5A + 25$  is equal to  $B2$ , then the value of  $A + B$  is [1]
- a) 8 b) 15  
 c) 7 d) 10
50. Find the values of the letters in the following: [1]
- $$\begin{array}{r} AB \\ \times 6 \\ \hline BBB \end{array}$$
- a)  $A = 4, B = 7$  b)  $A = 7, B = 7$   
 c)  $A = 4, B = 4$  d)  $A = 7, B = 4$

## Solution

### SUBJECT- MATHEMATICS041 - TEST - 04

#### Class 08 - Mathematics

1. (d) rational numbers are closed under addition

**Explanation:** In the given expression the addition of two rational numbers is given and the result obtained is also a rational number.

2. (d)  $\frac{1}{2}$

**Explanation:**  $\frac{-4}{5} \times \frac{3}{7} \times \frac{15}{16} \times \left(\frac{-14}{9}\right)$   
 $= \frac{-12}{35} \times \frac{-210}{144}$   
 $= \frac{6}{12}$   
 $= \frac{1}{2}$

3. (b)  $2.\bar{6}$

**Explanation:**  $\frac{8}{3} = 2.666666\dots$   
 $= 2.\bar{6}$

4. (a)  $\frac{-1}{30}$

**Explanation:**  $\left[\frac{3}{5} + \left(\frac{-5}{12}\right)\right] + \left[\left(\frac{-7}{15}\right) + \frac{5}{20}\right]$   
 $= \left[\frac{3 \times 12 + (-5) \times 5}{60}\right] + \left[\frac{-7 \times 4 + 3 \times 5}{60}\right]$   
 $= \left[\frac{36 - 25}{60}\right] + \left[\frac{-28 + 15}{60}\right]$   
 $= \frac{11}{60} + \left(\frac{-13}{60}\right)$   
 $= \frac{11 - 13}{60}$   
 $= \frac{-2}{60}$   
 $= \frac{-1}{30}$

5. (b)  $\frac{104}{21}$

**Explanation:** Given number is  $\frac{-3}{8} \times \left(\frac{-7}{13}\right)$

The product of  $\frac{-3}{8} \times \left(\frac{-7}{13}\right) = \frac{21}{104}$

Hence, the multiplicative inverse of  $\frac{21}{104}$  is  $\frac{104}{21}$

6. (d) 112

**Explanation:** Let the multiples be  $7x$ ,  $7(x + 1)$  and  $7(x + 2)$

Then,

$$7x + 7(x + 1) + 7(x + 2) = 357$$

$$7x + 7x + 7 + 7x + 14 = 357$$

$$21x + 21 = 357$$

$$21x = 357 - 21$$

$$21x = 336$$

$$x = \frac{336}{21}$$

$$x = 16$$

Since the smallest multiple is  $7x$ , the answer will be:

$$7 \times x$$

$$= 7 \times 16$$

$$= 112$$

7. (c) 0

**Explanation:**  $8x + 4 = 3(x - 1) + 7$

or,  $8x + 4 = 3x - 3 + 7$  (solve bracket first)

or,  $8x + 4 = 3x + 4$





By transposing both sides

$$\text{or, } 8x - 3x = 4 - 4$$

$$\text{or, } 5x = 0$$

$$\text{or, } x = 0$$

8. **(b)**  $\frac{13}{21}$

**Explanation:** Let the number of numerator be = x  
denominator = x + 8

According to the given condition

$$\frac{x+17}{x+8} - 1 = \frac{3}{2}$$

$$\frac{x+17}{x+7} = \frac{3}{2}$$

by crossmultiply, we get,

$$2(x + 17) = 3(x + 7)$$

$$2x + 34 = 3x + 21$$

$$34 - 21 = 3x - 2x$$

$$x = 13$$

$$\text{Numerator} = x = 13$$

$$\text{Denominator} = x + 8 = 21$$

$$\text{Fraction} = \frac{13}{21}$$

9. **(b)** 72

**Explanation:** Let the number of deer in herd be = x

$$\text{number of deer grazing in field} = \frac{x}{2}$$

$$\text{number of deer left} = x - \frac{x}{2} = \frac{x}{2}$$

$$\text{number of deer playing nearby} = \frac{3}{4} \text{ of } \frac{x}{2} = \frac{3x}{8}$$

$$\text{Number of deer drinking water from pond} = 9$$

Now according to question,

$$\frac{x}{2} + \frac{3x}{8} + 9 = x$$

by L.C.M

$$\text{or, } (4x + 3x + 72) = x$$

$$\text{or, } 7x + 72 = 8x$$

$$\text{or, } 72 = 8x - 7x$$

$$\text{or, } 72 = x$$

$$\text{Number of deer} = 72$$

10. **(a)** 52m, 25m

**Explanation:** Let the breadth be = x

$$\text{now according to question length} = 2x + 2$$

$$\text{perimeter of rectangle} = 154\text{m}$$

$$\text{perimeter of rectangle} = 2(l + b)$$

$$\text{or, } 154 = 2(x + 2x + 2)$$

$$\text{or, } \frac{154}{2} = 3x + 2$$

by transposing

$$\text{or, } 77 - 2 = 3x$$

$$\text{or, } \frac{75}{3} = x$$

$$\text{or, } x = 25$$

$$\text{Now, breadth} = 25\text{m}$$

$$\text{length} = 2x + 2 = 50 + 2 = 52\text{m}$$

11. **(d)** 8

**Explanation:** The measure of each exterior angle of a regular polygon of n-sides =  $\frac{360}{n}$

$$\text{Therefore, } \frac{360}{n} = 45$$

$$\text{so, } 45n = 360$$



$$n = 8$$

the regular polygon has 8 sides

12. **(b)**  $180^\circ$

**Explanation:** Construction: Draw AC || line l

Since  $\angle a$ ,  $\angle b$ , and  $\angle c$  make a straight line l,

$$\therefore \angle a + \angle b + \angle c = 180^\circ \text{ (Angles on one side of a straight line = } 180^\circ\text{)}$$

$\therefore$  AC || line l

$\therefore$  Alternate interior angles are equal,  $\angle a = \angle x$  and  $\angle b = \angle y$

$$\text{Therefore, } \angle x + \angle y + \angle c = 180^\circ$$

13. **(c)**  $\frac{n(n-3)}{2}$

**Explanation:** We know that the number of diagonals in a polygon of n sides =  $\frac{n(n-3)}{2}$

14. **(d)** Trapezium

**Explanation:** We have given that  $\angle A + \angle D = 180$

Therefore, quadrilateral must be a Trapezium

15. **(b)** isosceles right triangle

**Explanation:** We know that diagonal of a square bisect each other at  $90^\circ$ .

Therefore,  $\triangle AOB$  is an isosceles right triangle.

16. **(b)** 4

**Explanation:** When a coin is tossed two times the possible outcomes are

HH – Two heads

HT – First head and second tail

TH – First tail and second tail

TT – Two tails

Therefore,

The sample space is  $\{HH, HT, TH, TT\} = 4$

Hence, the number of possible outcomes is 4.

17. **(a)** Raw data

**Explanation:** Raw data is unorganised or ungrouped data. So to present it systematically, it can be grouped.

18. **(d)** Hindi

**Explanation:** In hindi there is no change in the performance.

19. **(b)** frequency

**Explanation:** Tally marks are used to find the frequency of the observations.

20. **(d)**  $\frac{1}{4}$

**Explanation:** total hours = 24

hours spent in school = 6

$$\text{proportion of the sector for hours is spent in sleeping} = \frac{6}{24} = \frac{1}{4}$$

21. **(d)** 45

$$\text{Explanation: } \sqrt{2025} = 5 \times 5 \times 9 \times 9$$

$$= 5 \times 9$$

$$= 45$$

22. **(a)**  $444^2$

**Explanation:** The answer is  $444^2$  as here the unit's digit is 4 and  $4^2 = 16$  whose unit's digit is 6. So,  $444^2$  would end with digit 6

23. **(c)** 456

**Explanation:**  $484 = 22^2$ ,  $900 = 30^2$ ,  $1024 = 32^2$ . So, 456 is not a perfect square.

24. **(b)** 49

**Explanation:** The answer is 49, it is the square of 7 and the next square number is 64 which does not lie



between 40 and 50.

25. (c) 2

**Explanation:** The number of zeroes in the square of a number is given by  $2m$  where  $m$  is the number of zeroes in the number which is to be squared. Here,  $m = 1$ , so  $2m = 2 \times 1 = 2$  zeroes will be present in  $30^2$ .

26. (d) 79507

**Explanation:**  $(43)^3 = 43 \times 43 \times 43$   
 $= 79507$

27. (b) -51

**Explanation:**  $-132651 = (3) \times (3) \times (3) \times (-17) \times (-17) \times (-17)$   
 $\sqrt[3]{-132651} = \sqrt[3]{3^3 \times (-17)^3}$   
 $\sqrt[3]{-132651} = 3 \times (-17)$   
 $\sqrt[3]{-132651} = -51$

28. (a)  $8a^3$

**Explanation:** The double of  $a = 2a$   
The cube of  $2a = 2a \times 2a \times 2a$   
 $= 8a^3$

29. (a) 9

**Explanation:**  $(9261)^{1/3} = 2p + 3$   
 $\sqrt[3]{9261} = 2p + 3$   
 $21 = 2p + 3$   
 $21 - 3 = 2p$   
 $18 = 2p$   
 $\frac{18}{2} = p$   
 $9 = p$

30. (d) cube

**Explanation:** The answer is cube. If any non-zero number is multiplied three times than the number obtained is called cube of the given number.

31. (b) 1800

**Explanation:** We have  $\frac{7}{3}\%$  of a number = 42  
then the number =  $\frac{42}{\frac{7}{3}} \times 100$   
 $= \frac{42}{7} \times 3 \times 100$   
 $= 1800$

32. (d) Rs 120

**Explanation:** Discount =  $720 - 600$  (marked price - sale price)  
 $= \text{Rs } 120$

33. (c) Gain of Rs 600

**Explanation:** Purchase price = Rs. 9,500  
Spent on repairs = Rs 500  
Total purchase price = Rs 10,000  
Selling price = 10,600 - 10,000  
Gain = Rs 600

34. (d) profit of ₹30

**Explanation:** Avinash bought an electric iron = ₹900  
He sold it, at 10% profit.  
So, selling price of the electric iron =  $\frac{10}{100} \times 900 + 900$   
 $= 90 + 900 = ₹990$   
He also sold another electric iron at 5% loss.  
Cost price of another electric iron = ₹1200

So, selling price of the electric iron =  $1200 - \frac{5}{100} \times 1200$   
 $= 1200 - 60 = ₹1140$

Total amount paid by Avinash for purchasing electric irons = ₹ 900 + ₹1200 = ₹2100

Total received amount = ₹ 990 + ₹1140 = ₹2130

So, his profit = ₹2130 - ₹2100 = ₹30 in transaction.

Hence, profit of ₹30 is correct.

35. **(c)** It is 500:1

**Explanation:** 1 km = 1000 m

5 km = 5000 m

So, the ratio is,

5000:10

= 500:1

36. **(b)** Gain of 17%

**Explanation:** Total Purchase Price of Bulbs =  $200 \times 10$

= Rs.2000

5 bulbs are fused so 195 bulbs remain to sell

selling price Rs. 12/- each

Total selling price  $195 \times 12 = \text{Rs. } 2340/-$

Total gain =  $2340 - 2000$

= Rs.340

$$\text{Gain \%} = \frac{\text{gain} \times 100}{\text{purchase}}$$

$$= \frac{340 \times 100}{2000}$$

= 17%

37. **(a)** Rs 5,160

**Explanation:** C.I. =  $P(1 + \frac{r}{100})^n - P$

$$= 16,000(1 + \frac{15}{100})^2 - 16,000$$

$$= 16,000(\frac{23}{20})^2 - 16,000$$

$$= 21,160 - 16,000$$

= Rs 5,160

38. **(b)** ₹1400

**Explanation:** Let the marked price of the jacket be ₹ x.

Discount % on marked price = 20%

Selling price of jacket = ₹ 1120

$$\text{Then, } 1120 = x - x \times \frac{20}{100}$$

$$\Rightarrow 1120 = x - \frac{x}{5}$$

$$\Rightarrow 1120 = \frac{4x}{5}$$

$$\Rightarrow x = \frac{1120 \times 5}{4} = 280 \times 5 = ₹ 1400$$

So, marked price of the jacket is ₹ 1400.

39. **(d)**  $10^{11}$

**Explanation:** The human body has about 100 billion cells =  $10^{11}$  cells

40. **(a)** 0.0000203

**Explanation:** Given,  $2.03 \times 10^{-5} = 0.0000203$  [∵ placing decimal five-digit towards left of original position]

41. **(d)**  $10^{100}$

**Explanation:** We have,

let a be the multiplicative inverse of  $10^{-100}$ .

So,  $a \times b = 1$

$$\therefore a \times 10^{-100} = 1$$

$$\Rightarrow a = \frac{1}{10^{-100}}$$

$$\Rightarrow a = 10^{100} \left[ \because a^{-m} = \frac{1}{a^m} \right]$$

42. (c) 100

**Explanation:** For  $x = 5$

$$4 \times (-x)^2$$

$$4 \times (-5)^2$$

$$4 \times (25)$$

$$100$$

43. (b) base

**Explanation:** In an exponent, the base is raised to the power as  $r^p$  where  $r$  is a base and  $p$  is exponent or power.

44. (a) -2

**Explanation:**  $6A \times B = A8B$

$$A \times B = B \text{ and } 6 \times B = A8$$

Therefore,  $A = 1$  and  $B = 3$

$$61 \times 3 = 183$$

$$\text{Hence, } A - B = 1 - 3 = -2$$

45. (a)  $A = 8, B = 1$

**Explanation:** When  $A$  is added to  $B$ , it gives 9 that is a number whose ones place is 9. Sum can be 9 only as summation of two single digits cannot be 19. So no carry generated.

In the next step,  $A + 2 = 0$

It is possible if  $A = 8$ .

Therefore,  $2 + 8 = 10$  and 1 will be carried forward for the next step.

$1 + 1 + 6 = 8$ . Therefore, value of  $A = 8$ .

When  $A$  is added to  $B$ , it gives 9.

$$A + B = 9$$

$$8 + B = 9$$

Therefore, value of  $B = 1$

$$128$$

$$+681$$

$$\hline 809$$

Thus value of  $A$  and  $B$  is 8 and 1 respectively.

46. (d) 18

**Explanation:** Given,  $abc$  is a three-digit number.

$$\text{Then, } abc = 100a + 10b + c$$

$$\text{and } cba = 100c + 10b + a$$

$$abc - cba = (100a + 10b + c) - (100c + 10b + a)$$

$$= 100a - a + 10b - 10b + c - 100c$$

$$= 99a - 99c = 99(a - c)$$

$$= abc - cba \text{ is divisible by } 99.$$

$\Rightarrow abc - cba$  is divisible by 9, 11, 33, but it is not divisible by 18.

47. (a) 8

**Explanation:** The addition of  $Q$  and 3 is giving 11, i.e., a number whose ones digit is 1 which is possible if  $Q = 8$ .

Now  $8 + 3 = 11$ . Therefore,  $1 + 1 + Q = 0$  i.e., a number whose ones digit is 0 which means the number should be 10. So,  $1 + 1 + Q = 10$ . Therefore, the value of  $Q = 8$ .

48. (c)  $A = 7, B = 6$

**Explanation:** Here,  $A = 5 + 2 = 7$

As  $7 + 5 = 12$ . So, 1 will be carried over.

$$\text{Now, } 1 + 3 + 2 = B$$

$$B = 6$$

So,  $A = 7$  and  $B = 6$

49. **(b)** 15

**Explanation:** If  $5A + 25 = B2$

here  $A + 5 = 2$  i.e. two digit number. so,  $A = 7$  and 1 carry

$$57 + 25 = 82 \text{ so, } B = 8$$

$$\text{hence } A + B = 7 + 8$$

$$= 15$$

50. **(d)**  $A = 7, B = 4$

**Explanation:** When 6 is multiplied with B, it gives a number whose ones place is B. It is possible only if  $B = 0, 2, 4, 6$  or 8.

$$B = 0;$$

The product will be 0 in this case so it is not possible.

$$B = 2;$$

$B \times 6 = 12$  and 1 will be carried forward for the next step.

$6A + 1 = BB = 22$ . Then integer value of A is not possible.

$$B = 6;$$

$B \times 6 = 36$  and 3 will be carried forward for the next step.

$6A + 3 = BB = 66$ . Then integer value of A is not possible.

$$B = 8;$$

$B \times 6 = 48$  and 4 will be carried forward for the next step.

$$6A + 4 = BB = 88.$$

$$6A = 84.$$

$$A = 14$$

But A is single digit number.

Then value of A is not possible.

$$B = 4;$$

$B \times 6 = 24$  and 2 will be carried forward for the next step.

$$6A + 2 = BB = 44.$$

$$6A = 42.$$

$$A = 7$$

The multiplication is given below

$$74 \times 6 = 444$$

Thus integer value of A and B is 7 and 4 respectively.

