

Basic Operations

MCQ Test, Set 08

Time: 30 minutes

Maximum marks: 25

Name: _____ Class: _____ Date: _____

1. There are 25 questions. Each has exactly one correct answer: choose A, B, C or D.
2. Each correct answer carries 1 mark. There is no negative marking.
3. The key sheet and worked solutions are at the end of this test.

1. $9 - 5 =$

- A.** 5 **B.** 4 **C.** 14 **D.** 3

2. $2 + \square = 6$. The number in the box is

- A.** 4 **B.** 5 **C.** 3 **D.** 8

3. On the number line, start at 60 and jump back 5 steps. You land on

- A.** 54 **B.** 55 **C.** 56 **D.** 65

4. $65 - 4 =$

- A.** 25 **B.** 60 **C.** 69 **D.** 61

5. $69 - 6 =$

- A.** 75 **B.** 62 **C.** 63 **D.** 64

6. By the 2nd method, $77 - 9 = \square - 10$. The number in the box is

- A.** 78 **B.** 68 **C.** 76 **D.** 86

7. $83 - 9 =$

- A.** 74 **B.** 86 **C.** 92 **D.** 84

8. $57 - 10 =$

- A.** 56 **B.** 47 **C.** 57 **D.** 67

9. By the 2nd method, $72 - 33 = \square - 40$. The number in the box is

- A.** 75 **B.** 65 **C.** 79 **D.** 39

10. $68 - 57 =$

- A.** 125 **B.** 12 **C.** 21 **D.** 11

11. $220 - 5 =$

- A.** 214 **B.** 215 **C.** 216 **D.** 225

12. $190 - 41 =$
A. 159 B. 231 C. 149 D. 151
-
13. $100 - 53 = \square - 3$. The number in the box is
A. 47 B. 40 C. 60 D. 50
-
14. $100 - 76 =$
A. 23 B. 36 C. 34 D. 24
-
15. $130 - 90 =$
A. 160 B. 40 C. 140 D. 220
-
16. $134 - 49 =$
A. 95 B. 185 C. 85 D. 115
-
17. $30 + 35 =$
A. 55 B. 38 C. 65 D. 75
-
18. $60 + 20 =$
A. 80 B. 90 C. 70 D. 8
-
19. $81 + 51 =$
A. 32 B. 122 C. 132 D. 142
-
20. In $1712 \div 8$, the first step is $17 \div 8$. The remainder after this step is
A. 1 B. 7 C. 9 D. 2
-
21. $3072 \div 6 =$
A. 513 B. 5012 C. 502 D. 512
-
22. $768414 \div 2 =$
A. 384207 B. 384208 C. 38427 D. 3084207
-
23. $20510 \div 5 =$
A. 4102 B. 4120 C. 412 D. 41002
-
24. $6996 \div 12 =$
A. 584 B. 583 C. 582 D. 5083
-
25. $\frac{20}{5} =$
A. 5 B. 100 C. 15 D. 4
-

Key sheet

1. B	2. A	3. B	4. D	5. C
6. A	7. A	8. B	9. C	10. D
11. B	12. C	13. D	14. D	15. B
16. C	17. C	18. A	19. C	20. A
21. D	22. A	23. A	24. B	25. D

Solutions

1. $9 - 5 =$

Count back 5 from 9.

$$9 - 5 = 4$$

Ans: (B) 4

2. $2 + \square = 6$. The number in the box is

$$\square = 6 - 2 = 4$$

Check: $2 + 4 = 6$

Ans: (A) 4

3. On the number line, start at 60 and jump back 5 steps. You land on

Jumping back 5 steps from 60 means $60 - 5$.

$$60 = 50 + 10 \text{ and } 10 - 5 = 5, \text{ so } 60 - 5 = 50 + 5 = 55$$

Ans: (B) 55

4. $65 - 4 =$

Take 4 from the units digit: $5 - 4 = 1$; the tens digit 6 stays.

$$65 - 4 = 61$$

Ans: (D) 61

5. $69 - 6 =$

Take 6 from the units digit: $9 - 6 = 3$; the tens digit 6 stays.

$$69 - 6 = 63$$

Ans: (C) 63

6. By the 2nd method, $77 - 9 = \square - 10$. The number in the box is

2nd method: add 1 to both: $77 - 9 = 78 - 10 = 68$

So the box is 78

Ans: (A) 78

7. $83 - 9 =$

1st method: take 3 out of 9 first ($9 - 3 = 6$): $83 - 9 = 80 - 6 = 74$

Ans: (A) 74

8. $57 - 10 =$

Take 1 ten from 5 tens: $5 - 1 = 4$; the units digit 7 stays.

$$57 - 10 = 47$$

Ans: (B) 47

9. By the 2nd method, $72 - 33 = \square - 40$. The number in the box is

Add 7 to both numbers so that 33 becomes 40.

$72 - 33 = 79 - 40$, so the box is 79

Ans: (C) 79

10. $68 - 57 =$

units $8 - 7 = 1$, tens $6 - 5 = 1$: $68 - 57 = 11$

Ans: (D) 11

11. $220 - 5 =$

$220 = 210 + 10$ and $10 - 5 = 5$, so $220 - 5 = 210 + 5 = 215$

Ans: (B) 215

12. $190 - 41 =$

2nd method: add 9 to both: $190 - 41 = 199 - 50 = 149$

Ans: (C) 149

13. $100 - 53 = \square - 3$. The number in the box is

Take away the tens first: $100 - 50 = 50$

So $100 - 53 = 50 - 3$; the box is 50

Ans: (D) 50

14. $100 - 76 =$

Take away the tens first: $100 - 70 = 30$

$100 - 76 = 30 - 6 = 24$

Ans: (D) 24

15. $130 - 90 =$

Take 30 from both: $130 - 90 = 100 - 60$

$100 - 60 = 40$

Ans: (B) 40

16. $134 - 49 =$

3rd method: $134 - 100 = 34$ and $100 - 49 = 51$

$134 - 49 = 34 + 51 = 85$

Ans: (C) 85

17. $30 + 35 =$

Add the tens: $30 + 30 = 60$; the units digit 5 stays.

$30 + 35 = 65$

Ans: (C) 65

18. $60 + 20 =$

6 tens + 2 tens = 8 tens

$$60 + 20 = 80$$

Ans: (A) 80

19. $81 + 51 =$

Tens: $80 + 50 = 130$

Units: $1 + 1 = 2$

$$81 + 51 = 130 + 2 = 132$$

Ans: (C) 132

20. In $1712 \div 8$, the first step is $17 \div 8$. The remainder after this step is

$8 \times 2 = 16$ is the biggest number in the 8 table that is not more than 17.

$$17 - 16 = 1$$

Ans: (A) 1

21. $3072 \div 6 =$

Long division with the 6 table gives 512.

$$\text{Check: } 6 \times 512 = 3072$$

Ans: (D) 512

22. $768414 \div 2 =$

Divide digit by digit with the 2 table: $768414 \div 2 = 384207$

$$\text{Check: } 2 \times 384207 = 768414$$

Ans: (A) 384207

23. $20510 \div 5 =$

When a brought-down number is less than 5, a 0 goes in the quotient.

$$20510 \div 5 = 4102 \text{ (check: } 5 \times 4102 = 20510)$$

Ans: (A) 4102

24. $6996 \div 12 =$

Long division with the 12 table gives 583.

$$\text{Check: } 12 \times 583 = 6996$$

Ans: (B) 583

25. $\frac{20}{5} =$

$\frac{20}{5}$ means $20 \div 5$.

$$5 \times 4 = 20, \text{ so } \frac{20}{5} = 4$$

Ans: (D) 4
