

Basic Operations

MCQ Test, Set 07

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. $2 + 2 =$

A. 4**B.** 3**C.** 5**D.** 6

2. $6 + \square = 7$. The number in the box is

A. 7**B.** 2**C.** 13**D.** 1

3. $90 - 9 =$

A. 99**B.** 82**C.** 81**D.** 91

4. $48 - 4 =$

A. 43**B.** 45**C.** 44**D.** 52

5. $23 - 3 =$

A. 20**B.** 19**C.** 26**D.** 21

6. $27 - 9 =$

A. 22**B.** 18**C.** 36**D.** 28

7. By the 2nd method, $26 - 9 = \square - 10$. The number in the box is

A. 17**B.** 25**C.** 27**D.** 35

8. $80 - 40 =$

A. 40**B.** 30**C.** 120**D.** 50

9. $61 - 24 =$

A. 43**B.** 85**C.** 47**D.** 37

10. $87 - 13 =$

A. 100**B.** 75**C.** 84**D.** 74

11. $373 - 38 =$

A. 345**B.** 335**C.** 411**D.** 334

12. $410 - 5 =$
A. 406 B. 404 C. 405 D. 415
-
13. $100 - 19 =$
A. 91 B. 81 C. 80 D. 99
-
14. $100 - 85 = \square - 5$. The number in the box is
A. 20 B. 10 C. 30 D. 15
-
15. $101 - 4 =$
A. 87 B. 103 C. 97 D. 98
-
16. $152 - 79 =$
A. 83 B. 127 C. 173 D. 73
-
17. $70 + 30 =$
A. 110 B. 100 C. 10 D. 90
-
18. $90 + 43 =$
A. 133 B. 123 C. 143 D. 52
-
19. $72 + 24 =$
A. 86 B. 96 C. 97 D. 106
-
20. $1448 \div 2 =$
A. 724 B. 725 C. 714 D. 7024
-
21. In $1776 \div 8$, the first step is $17 \div 8$. The remainder after this step is
A. 2 B. 9 C. 1 D. 7
-
22. $413626 \div 2 =$
A. 206814 B. 2006813 C. 206813 D. 26813
-
23. $8688 \div 8 =$
A. 1860 B. 186 C. 10086 D. 1086
-
24. $4236 \div 12 =$
A. 3053 B. 353 C. 352 D. 354
-
25. $\frac{14}{2} =$
A. 8 B. 12 C. 28 D. 7
-

Key sheet

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

Solutions

1. $2 + 2 =$

Start at 2 and count on 2: $2 + 2 = 4$

Ans: (A) 4

2. $6 + \square = 7$. The number in the box is

$$\square = 7 - 6 = 1$$

Check: $6 + 1 = 7$

Ans: (D) 1

3. $90 - 9 =$

$90 = 80 + 10$ and $10 - 9 = 1$, so $90 - 9 = 80 + 1 = 81$

Ans: (C) 81

4. $48 - 4 =$

Take 4 from the units digit: $8 - 4 = 4$; the tens digit 4 stays.

$$48 - 4 = 44$$

Ans: (C) 44

5. $23 - 3 =$

Take 3 from the units digit: $3 - 3 = 0$; the tens digit 2 stays.

$$23 - 3 = 20$$

Ans: (A) 20

6. $27 - 9 =$

1st method: take 7 out of 9 first ($9 - 7 = 2$): $27 - 9 = 20 - 2 = 18$

Ans: (B) 18

7. By the 2nd method, $26 - 9 = \square - 10$. The number in the box is

2nd method: add 1 to both: $26 - 9 = 27 - 10 = 17$

So the box is 27

Ans: (C) 27

8. $80 - 40 =$

8 tens $-$ 4 tens $=$ 4 tens

$$80 - 40 = 40$$

Ans: (A) 40

9. $61 - 24 =$

2nd method: add 6 to both: $61 - 24 = 67 - 30 = 37$

Ans: (D) 37

10. $87 - 13 =$

units $7 - 3 = 4$, tens $8 - 1 = 7$: $87 - 13 = 74$

Ans: (D) 74

11. $373 - 38 =$

2nd method: add 2 to both: $373 - 38 = 375 - 40 = 335$

Ans: (B) 335

12. $410 - 5 =$

$410 = 400 + 10$ and $10 - 5 = 5$, so $410 - 5 = 400 + 5 = 405$

Ans: (C) 405

13. $100 - 19 =$

Take away the tens first: $100 - 10 = 90$

$100 - 19 = 90 - 9 = 81$

Ans: (B) 81

14. $100 - 85 = \square - 5$. The number in the box is

Take away the tens first: $100 - 80 = 20$

So $100 - 85 = 20 - 5$; the box is 20

Ans: (A) 20

15. $101 - 4 =$

Take 1 from both: $101 - 4 = 100 - 3$

$100 - 3 = 97$

Ans: (C) 97

16. $152 - 79 =$

3rd method: $152 - 100 = 52$ and $100 - 79 = 21$

$152 - 79 = 52 + 21 = 73$

Ans: (D) 73

17. $70 + 30 =$

7 tens + 3 tens = 10 tens

$70 + 30 = 100$

Ans: (B) 100

18. $90 + 43 =$

Add the tens: $90 + 40 = 130$; the units digit 3 stays.

$90 + 43 = 133$

Ans: (A) 133

19. $72 + 24 =$

Tens: $70 + 20 = 90$

Units: $2 + 4 = 6$

$72 + 24 = 90 + 6 = 96$

Ans: (B) 96

20. $1448 \div 2 =$

Long division with the 2 table gives 724.

Check: $2 \times 724 = 1448$

Ans: (A) 724

21. In $1776 \div 8$, 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: (C) 1

22. $413626 \div 2 =$

Divide digit by digit with the 2 table: $413626 \div 2 = 206813$

Check: $2 \times 206813 = 413626$

Ans: (C) 206813

23. $8688 \div 8 =$

When a brought-down number is less than 8, a 0 goes in the quotient.

$8688 \div 8 = 1086$ (check: $8 \times 1086 = 8688$)

Ans: (D) 1086

24. $4236 \div 12 =$

Long division with the 12 table gives 353.

Check: $12 \times 353 = 4236$

Ans: (B) 353

25. $\frac{14}{2} =$

$\frac{14}{2}$ means $14 \div 2$.

$2 \times 7 = 14$, so $\frac{14}{2} = 7$

Ans: (D) 7
