

Basic Operations

MCQ Test, Set 01

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. $5 + 5 =$

A. 10**B. 12****C. 11****D. 9**

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

A. 4**B. 9****C. 5****D. 6**

3. $80 - 6 =$

A. 75**B. 86****C. 74****D. 84**

4. $67 - 4 =$

A. 63**B. 27****C. 62****D. 71**

5. $97 - 5 =$

A. 102**B. 92****C. 91****D. 47**

6. $51 - 9 =$

A. 58**B. 52****C. 60****D. 42**

7. By the 1st method, $97 - 8 = 90 - \square$. The number in the box is

A. 1**B. 8****C. 7****D. 15**

8. $50 - 30 =$

A. 80**B. 20****C. 10****D. 30**

9. $66 - 49 =$

A. 17**B. 115****C. 27****D. 23**

10. $75 - 44 =$

A. 32**B. 41****C. 31****D. 119**

11. $480 - 66 =$

A. 426**B. 424****C. 546****D. 414**

12. $350 - 6 =$
A. 344 B. 345 C. 356 D. 354
-
13. $100 - 31 =$
A. 71 B. 69 C. 68 D. 79
-
14. $100 - 60 =$
A. 30 B. 160 C. 40 D. 50
-
15. $101 - 7 =$
A. 106 B. 94 C. 95 D. 84
-
16. $142 - 59 =$
A. 93 B. 183 C. 117 D. 83
-
17. $80 + 40 =$
A. 130 B. 110 C. 12 D. 120
-
18. $80 + 45 =$
A. 115 B. 125 C. 135 D. 53
-
19. $71 + 24 =$
A. 96 B. 85 C. 105 D. 95
-
20. $1848 \div 3 =$
A. 617 B. 606 C. 616 D. 6016
-
21. In $5474 \div 7$, the first step is $54 \div 7$. The remainder after this step is
A. 5 B. 7 C. 2 D. 12
-
22. $523466 \div 2 =$
A. 2061733 B. 261733 C. 261734 D. 261723
-
23. $40280 \div 8 =$
A. 5350 B. 50035 C. 5035 D. 535
-
24. $9746 \div 11 =$
A. 887 B. 885 C. 8086 D. 886
-
25. $\frac{6}{3} =$
A. 18 B. 2 C. 1 D. 3
-

Key sheet

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

Solutions

1. $5 + 5 =$

Start at 5 and count on 5: $5 + 5 = 10$

Ans: (A) 10

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

$$\square = 7 - 2 = 5$$

Check: $2 + 5 = 7$

Ans: (C) 5

3. $80 - 6 =$

$80 = 70 + 10$ and $10 - 6 = 4$, so $80 - 6 = 70 + 4 = 74$

Ans: (C) 74

4. $67 - 4 =$

Take 4 from the units digit: $7 - 4 = 3$; the tens digit 6 stays.

$$67 - 4 = 63$$

Ans: (A) 63

5. $97 - 5 =$

Take 5 from the units digit: $7 - 5 = 2$; the tens digit 9 stays.

$$97 - 5 = 92$$

Ans: (B) 92

6. $51 - 9 =$

1st method: take 1 out of 9 first ($9 - 1 = 8$): $51 - 9 = 50 - 8 = 42$

Ans: (D) 42

7. By the 1st method, $97 - 8 = 90 - \square$. The number in the box is

1st method: take 7 out of 8 first ($8 - 7 = 1$): $97 - 8 = 90 - 1 = 89$

So the box is 1

Ans: (A) 1

8. $50 - 30 =$

5 tens $-$ 3 tens $=$ 2 tens

$$50 - 30 = 20$$

Ans: (B) 20

9. $66 - 49 =$

2nd method: add 1 to both: $66 - 49 = 67 - 50 = 17$

Ans: (A) 17

10. $75 - 44 =$

units $5 - 4 = 1$, tens $7 - 4 = 3$: $75 - 44 = 31$

Ans: (C) 31

11. $480 - 66 =$

2nd method: add 4 to both: $480 - 66 = 484 - 70 = 414$

Ans: (D) 414

12. $350 - 6 =$

$350 = 340 + 10$ and $10 - 6 = 4$, so $350 - 6 = 340 + 4 = 344$

Ans: (A) 344

13. $100 - 31 =$

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

$100 - 31 = 70 - 1 = 69$

Ans: (B) 69

14. $100 - 60 =$

10 tens $- 6$ tens $= 4$ tens

$100 - 60 = 40$

Ans: (C) 40

15. $101 - 7 =$

Take 1 from both: $101 - 7 = 100 - 6$

$100 - 6 = 94$

Ans: (B) 94

16. $142 - 59 =$

3rd method: $142 - 100 = 42$ and $100 - 59 = 41$

$142 - 59 = 42 + 41 = 83$

Ans: (D) 83

17. $80 + 40 =$

8 tens $+ 4$ tens $= 12$ tens

$80 + 40 = 120$

Ans: (D) 120

18. $80 + 45 =$

Add the tens: $80 + 40 = 120$; the units digit 5 stays.

$80 + 45 = 125$

Ans: (B) 125

19. $71 + 24 =$

Tens: $70 + 20 = 90$

Units: $1 + 4 = 5$

$71 + 24 = 90 + 5 = 95$

Ans: (D) 95

20. $1848 \div 3 =$

Long division with the 3 table gives 616.

Check: $3 \times 616 = 1848$

Ans: (C) 616

21. In $5474 \div 7$, the first step is $54 \div 7$. The remainder after this step is

$7 \times 7 = 49$ is the biggest number in the 7 table that is not more than 54.

$54 - 49 = 5$

Ans: (A) 5

22. $523466 \div 2 =$

Divide digit by digit with the 2 table: $523466 \div 2 = 261733$

Check: $2 \times 261733 = 523466$

Ans: (B) 261733

23. $40280 \div 8 =$

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

$40280 \div 8 = 5035$ (check: $8 \times 5035 = 40280$)

Ans: (C) 5035

24. $9746 \div 11 =$

Long division with the 11 table gives 886.

Check: $11 \times 886 = 9746$

Ans: (D) 886

25. $\frac{6}{3} =$

$\frac{6}{3}$ means $6 \div 3$.

$3 \times 2 = 6$, so $\frac{6}{3} = 2$

Ans: (B) 2
