

Basic Operations

MCQ Test, Set 06

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. $8 - 7 =$

A. 15**B. 3****C. 2****D. 1**

2. $1 + \square = 10$. The number in the box is

A. 8**B. 10****C. 9****D. 11**

3. On the number line, start at 70 and jump back 5 steps. You land on

A. 66**B. 64****C. 75****D. 65**

4. $56 - 4 =$

A. 16**B. 52****C. 60****D. 51**

5. $94 - 3 =$

A. 90**B. 97****C. 64****D. 91**6. By the 1st method, $65 - 7 = 60 - \square$. The number in the box is**A. 2****B. 5****C. 7****D. 12**

7. $64 - 7 =$

A. 57**B. 67****C. 63****D. 71**

8. $92 - 40 =$

A. 62**B. 132****C. 52****D. 88**9. By the 2nd method, $81 - 68 = \square - 70$. The number in the box is**A. 13****B. 89****C. 79****D. 83**

10. $83 - 66 =$

A. 149**B. 27****C. 23****D. 17**

11. $480 - 2 =$

A. 479**B. 488****C. 478****D. 482**

12. $481 - 36 =$
A. 455 B. 517 C. 445 D. 444
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13. $100 - 62 = \square - 2$. The number in the box is
A. 40 B. 50 C. 30 D. 38
-
14. $100 - 52 =$
A. 47 B. 48 C. 52 D. 58
-
15. $130 - 40 =$
A. 190 B. 170 C. 90 D. 110
-
16. $102 - 5 =$
A. 97 B. 103 C. 98 D. 87
-
17. $80 + 31 =$
A. 111 B. 121 C. 39 D. 101
-
18. $30 + 10 =$
A. 30 B. 40 C. 4 D. 50
-
19. $17 + 11 =$
A. 29 B. 28 C. 38 D. 18
-
20. In $1365 \div 3$, the first step is $13 \div 3$. The remainder after this step is
A. 1 B. 4 C. 3 D. 2
-
21. $5176 \div 8 =$
A. 637 B. 647 C. 6047 D. 648
-
22. $287435 \div 5 =$
A. 507487 B. 57488 C. 57487 D. 57477
-
23. $45290 \div 5 =$
A. 9580 B. 9058 C. 958 D. 90058
-
24. $7476 \div 12 =$
A. 6023 B. 622 C. 623 D. 624
-
25. $\frac{18}{2} =$
A. 16 B. 10 C. 36 D. 9
-

Key sheet

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

Solutions

1. $8 - 7 =$

Count back 7 from 8.

$$8 - 7 = 1$$

Ans: (D) 1

2. $1 + \square = 10$. The number in the box is

$$\square = 10 - 1 = 9$$

$$\text{Check: } 1 + 9 = 10$$

Ans: (C) 9

3. On the number line, start at 70 and jump back 5 steps. You land on

Jumping back 5 steps from 70 means $70 - 5$.

$$70 = 60 + 10 \text{ and } 10 - 5 = 5, \text{ so } 70 - 5 = 60 + 5 = 65$$

Ans: (D) 65

4. $56 - 4 =$

Take 4 from the units digit: $6 - 4 = 2$; the tens digit 5 stays.

$$56 - 4 = 52$$

Ans: (B) 52

5. $94 - 3 =$

Take 3 from the units digit: $4 - 3 = 1$; the tens digit 9 stays.

$$94 - 3 = 91$$

Ans: (D) 91

6. By the 1st method, $65 - 7 = 60 - \square$. The number in the box is

$$\text{1st method: take 5 out of 7 first } (7 - 5 = 2): 65 - 7 = 60 - 2 = 58$$

So the box is 2

Ans: (A) 2

7. $64 - 7 =$

$$\text{1st method: take 4 out of 7 first } (7 - 4 = 3): 64 - 7 = 60 - 3 = 57$$

Ans: (A) 57

8. $92 - 40 =$

Take 4 tens from 9 tens: $9 - 4 = 5$; the units digit 2 stays.

$$92 - 40 = 52$$

Ans: (C) 52

9. By the 2nd method, $81 - 68 = \square - 70$. The number in the box is

Add 2 to both numbers so that 68 becomes 70.

$81 - 68 = 83 - 70$, so the box is 83

Ans: (D) 83

10. $83 - 66 =$

2nd method: add 4 to both: $83 - 66 = 87 - 70 = 17$

Ans: (D) 17

11. $480 - 2 =$

$480 = 470 + 10$ and $10 - 2 = 8$, so $480 - 2 = 470 + 8 = 478$

Ans: (C) 478

12. $481 - 36 =$

2nd method: add 4 to both: $481 - 36 = 485 - 40 = 445$

Ans: (C) 445

13. $100 - 62 = \square - 2$. The number in the box is

Take away the tens first: $100 - 60 = 40$

So $100 - 62 = 40 - 2$; the box is 40

Ans: (A) 40

14. $100 - 52 =$

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

$100 - 52 = 50 - 2 = 48$

Ans: (B) 48

15. $130 - 40 =$

Take 30 from both: $130 - 40 = 100 - 10$

$100 - 10 = 90$

Ans: (C) 90

16. $102 - 5 =$

Take 2 from both: $102 - 5 = 100 - 3$

$100 - 3 = 97$

Ans: (A) 97

17. $80 + 31 =$

Add the tens: $80 + 30 = 110$; the units digit 1 stays.

$80 + 31 = 111$

Ans: (A) 111

18. $30 + 10 =$

3 tens + 1 ten = 4 tens

$$30 + 10 = 40$$

Ans: (B) 40

19. $17 + 11 =$

Tens: $10 + 10 = 20$

Units: $7 + 1 = 8$

$$17 + 11 = 20 + 8 = 28$$

Ans: (B) 28

20. In $1365 \div 3$, the first step is $13 \div 3$. The remainder after this step is

$3 \times 4 = 12$ is the biggest number in the 3 table that is not more than 13.

$$13 - 12 = 1$$

Ans: (A) 1

21. $5176 \div 8 =$

Long division with the 8 table gives 647.

$$\text{Check: } 8 \times 647 = 5176$$

Ans: (B) 647

22. $287435 \div 5 =$

Divide digit by digit with the 5 table: $287435 \div 5 = 57487$

$$\text{Check: } 5 \times 57487 = 287435$$

Ans: (C) 57487

23. $45290 \div 5 =$

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

$$45290 \div 5 = 9058 \text{ (check: } 5 \times 9058 = 45290)$$

Ans: (B) 9058

24. $7476 \div 12 =$

Long division with the 12 table gives 623.

$$\text{Check: } 12 \times 623 = 7476$$

Ans: (C) 623

25. $\frac{18}{2} =$

$\frac{18}{2}$ means $18 \div 2$.

$$2 \times 9 = 18, \text{ so } \frac{18}{2} = 9$$

Ans: (D) 9
