

Basic Operations

MCQ Test, Set 10

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. $7 - 6 =$

A. 13**B.** 2**C.** 3**D.** 1

2. $4 + \square = 10$. The number in the box is

A. 7**B.** 14**C.** 6**D.** 5

3. On the number line, start at 70 and jump back 9 steps. You land on

A. 61**B.** 79**C.** 60**D.** 62

4. $67 - 2 =$

A. 69**B.** 47**C.** 64**D.** 65

5. $66 - 6 =$

A. 60**B.** 59**C.** 61**D.** 72

6. By the 1st method, $62 - 4 = 60 - \square$. The number in the box is

A. 2**B.** 3**C.** 4**D.** 6

7. $63 - 7 =$

A. 64**B.** 56**C.** 66**D.** 70

8. $85 - 20 =$

A. 65**B.** 105**C.** 83**D.** 75

9. $76 - 48 =$

A. 28**B.** 32**C.** 124**D.** 38

10. $78 - 43 =$

A. 121**B.** 35**C.** 36**D.** 45

11. $370 - 3 =$

A. 368**B.** 377**C.** 373**D.** 367

12. $365 - 47 =$

A. 322

B. 328

C. 318

D. 412

13. $100 - 41 =$

A. 69

B. 58

C. 61

D. 59

14. $100 - 33 = \square - 3$. The number in the box is

A. 60

B. 80

C. 70

D. 67

15. $102 - 7 =$

A. 105

B. 95

C. 85

D. 96

16. $182 - 95 =$

A. 187

B. 113

C. 97

D. 87

17. $60 + 24 =$

A. 30

B. 84

C. 94

D. 74

18. $70 + 70 =$

A. 14

B. 150

C. 130

D. 140

19. $32 + 42 =$

A. 75

B. 64

C. 74

D. 84

20. In $2178 \div 9$, the first step is $21 \div 9$. The remainder after this step is

A. 12

B. 3

C. 2

D. 6

21. $3504 \div 8 =$

A. 428

B. 4038

C. 438

D. 439

22. $715738 \div 2 =$

A. 357869

B. 357859

C. 357870

D. 3057869

23. $16088 \div 2 =$

A. 844

B. 8044

C. 80044

D. 8440

24. $4026 \div 11 =$

A. 367

B. 3066

C. 365

D. 366

25. $\frac{16}{4} =$

A. 5

B. 64

C. 4

D. 12

Key sheet

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

Solutions

1. $7 - 6 =$

Count back 6 from 7.

$$7 - 6 = 1$$

Ans: (D) 1

2. $4 + \square = 10$. The number in the box is

$$\square = 10 - 4 = 6$$

$$\text{Check: } 4 + 6 = 10$$

Ans: (C) 6

3. On the number line, start at 70 and jump back 9 steps. You land on

Jumping back 9 steps from 70 means $70 - 9$.

$$70 = 60 + 10 \text{ and } 10 - 9 = 1, \text{ so } 70 - 9 = 60 + 1 = 61$$

Ans: (A) 61

4. $67 - 2 =$

Take 2 from the units digit: $7 - 2 = 5$; the tens digit 6 stays.

$$67 - 2 = 65$$

Ans: (D) 65

5. $66 - 6 =$

Take 6 from the units digit: $6 - 6 = 0$; the tens digit 6 stays.

$$66 - 6 = 60$$

Ans: (A) 60

6. By the 1st method, $62 - 4 = 60 - \square$. The number in the box is

$$\text{1st method: take 2 out of 4 first } (4 - 2 = 2): 62 - 4 = 60 - 2 = 58$$

So the box is 2

Ans: (A) 2

7. $63 - 7 =$

$$\text{1st method: take 3 out of 7 first } (7 - 3 = 4): 63 - 7 = 60 - 4 = 56$$

Ans: (B) 56

8. $85 - 20 =$

Take 2 tens from 8 tens: $8 - 2 = 6$; the units digit 5 stays.

$$85 - 20 = 65$$

Ans: (A) 65

9. $76 - 48 =$

$$\text{2nd method: add 2 to both: } 76 - 48 = 78 - 50 = 28$$

Ans: (A) 28

10. $78 - 43 =$

units $8 - 3 = 5$, tens $7 - 4 = 3$: $78 - 43 = 35$

Ans: (B) 35

11. $370 - 3 =$

$370 = 360 + 10$ and $10 - 3 = 7$, so $370 - 3 = 360 + 7 = 367$

Ans: (D) 367

12. $365 - 47 =$

2nd method: add 3 to both: $365 - 47 = 368 - 50 = 318$

Ans: (C) 318

13. $100 - 41 =$

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

$100 - 41 = 60 - 1 = 59$

Ans: (D) 59

14. $100 - 33 = \square - 3$. The number in the box is

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

So $100 - 33 = 70 - 3$; the box is 70

Ans: (C) 70

15. $102 - 7 =$

Take 2 from both: $102 - 7 = 100 - 5$

$100 - 5 = 95$

Ans: (B) 95

16. $182 - 95 =$

3rd method: $182 - 100 = 82$ and $100 - 95 = 5$

$182 - 95 = 82 + 5 = 87$

Ans: (D) 87

17. $60 + 24 =$

Add the tens: $60 + 20 = 80$; the units digit 4 stays.

$60 + 24 = 84$

Ans: (B) 84

18. $70 + 70 =$

7 tens + 7 tens = 14 tens

$70 + 70 = 140$

Ans: (D) 140

19. $32 + 42 =$

Tens: $30 + 40 = 70$

Units: $2 + 2 = 4$

$32 + 42 = 70 + 4 = 74$

Ans: (C) 74

20. In $2178 \div 9$, the first step is $21 \div 9$. The remainder after this step is

$9 \times 2 = 18$ is the biggest number in the 9 table that is not more than 21.

$21 - 18 = 3$

Ans: (B) 3

21. $3504 \div 8 =$

Long division with the 8 table gives 438.

Check: $8 \times 438 = 3504$

Ans: (C) 438

22. $715738 \div 2 =$

Divide digit by digit with the 2 table: $715738 \div 2 = 357869$

Check: $2 \times 357869 = 715738$

Ans: (A) 357869

23. $16088 \div 2 =$

When a brought-down number is less than 2, a 0 goes in the quotient.

$16088 \div 2 = 8044$ (check: $2 \times 8044 = 16088$)

Ans: (B) 8044

24. $4026 \div 11 =$

Long division with the 11 table gives 366.

Check: $11 \times 366 = 4026$

Ans: (D) 366

25. $\frac{16}{4} =$

$\frac{16}{4}$ means $16 \div 4$.

$4 \times 4 = 16$, so $\frac{16}{4} = 4$

Ans: (C) 4
