

# Basic Operations

## MCQ Test, Set 03

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.  $4 + 4 =$

**A.** 8**B.** 7**C.** 9**D.** 10

2.  $8 + \square = 9$ . The number in the box is

**A.** 9**B.** 1**C.** 2**D.** 17

3.  $20 - 6 =$

**A.** 14**B.** 15**C.** 26**D.** 24

4.  $93 - 3 =$

**A.** 89**B.** 63**C.** 90**D.** 96

5.  $87 - 2 =$

**A.** 85**B.** 89**C.** 84**D.** 67

6.  $61 - 5 =$

**A.** 64**B.** 66**C.** 55**D.** 56

7. By the 1st method,  $53 - 5 = 50 - \square$ . The number in the box is

**A.** 5**B.** 2**C.** 3**D.** 8

8.  $70 - 10 =$

**A.** 60**B.** 50**C.** 80**D.** 70

9. By the 2nd method,  $46 - 19 = \square - 20$ . The number in the box is

**A.** 47**B.** 55**C.** 45**D.** 27

10.  $93 - 77 =$

**A.** 170**B.** 16**C.** 26**D.** 24

11.  $260 - 22 =$

**A.** 248**B.** 238**C.** 242**D.** 282

12.  $370 - 9 =$   
A. 362                      B. 379                      C. 371                      D. 361
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13.  $100 - 35 = \square - 5$ . The number in the box is  
A. 60                      B. 65                      C. 70                      D. 80
- 
14.  $100 - 94 =$   
A. 14                      B. 16                      C. 5                      D. 6
- 
15.  $110 - 20 =$   
A. 130                      B. 90                      C. 110                      D. 190
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16.  $101 - 9 =$   
A. 93                      B. 82                      C. 92                      D. 108
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17.  $30 + 30 =$   
A. 60                      B. 70                      C. 50                      D. 6
- 
18.  $20 + 75 =$   
A. 105                      B. 77                      C. 85                      D. 95
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19.  $42 + 96 =$   
A. 148                      B. 128                      C. 138                      D. 38
- 
20.  $2982 \div 7 =$   
A. 416                      B. 4026                      C. 426                      D. 427
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21. In  $2625 \div 7$ , the first step is  $26 \div 7$ . The remainder after this step is  
A. 2                      B. 12                      C. 3                      D. 5
- 
22.  $310162 \div 2 =$   
A. 15581                      B. 1055081                      C. 155082                      D. 155081
- 
23.  $28545 \div 5 =$   
A. 5790                      B. 5709                      C. 57009                      D. 579
- 
24.  $4716 \div 12 =$   
A. 393                      B. 392                      C. 3093                      D. 394
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25.  $\frac{20}{4} =$   
A. 6                      B. 16                      C. 5                      D. 80
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## Key sheet

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

## Solutions

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1.  $4 + 4 =$

Start at 4 and count on 4:  $4 + 4 = 8$

**Ans: (A) 8**

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2.  $8 + \square = 9$ . The number in the box is

$$\square = 9 - 8 = 1$$

Check:  $8 + 1 = 9$

**Ans: (B) 1**

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3.  $20 - 6 =$

$20 = 10 + 10$  and  $10 - 6 = 4$ , so  $20 - 6 = 10 + 4 = 14$

**Ans: (A) 14**

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4.  $93 - 3 =$

Take 3 from the units digit:  $3 - 3 = 0$ ; the tens digit 9 stays.

$$93 - 3 = 90$$

**Ans: (C) 90**

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5.  $87 - 2 =$

Take 2 from the units digit:  $7 - 2 = 5$ ; the tens digit 8 stays.

$$87 - 2 = 85$$

**Ans: (A) 85**

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6.  $61 - 5 =$

1st method: take 1 out of 5 first ( $5 - 1 = 4$ ):  $61 - 5 = 60 - 4 = 56$

**Ans: (D) 56**

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7. By the 1st method,  $53 - 5 = 50 - \square$ . The number in the box is

1st method: take 3 out of 5 first ( $5 - 3 = 2$ ):  $53 - 5 = 50 - 2 = 48$

So the box is 2

**Ans: (B) 2**

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8.  $70 - 10 =$

7 tens  $-$  1 ten  $=$  6 tens

$$70 - 10 = 60$$

**Ans: (A) 60**

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9. By the 2nd method,  $46 - 19 = \square - 20$ . The number in the box is

Add 1 to both numbers so that 19 becomes 20.

$46 - 19 = 47 - 20$ , so the box is 47

**Ans: (A) 47**

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**10.**  $93 - 77 =$

2nd method: add 3 to both:  $93 - 77 = 96 - 80 = 16$

**Ans: (B) 16**

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**11.**  $260 - 22 =$

2nd method: add 8 to both:  $260 - 22 = 268 - 30 = 238$

**Ans: (B) 238**

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**12.**  $370 - 9 =$

$370 = 360 + 10$  and  $10 - 9 = 1$ , so  $370 - 9 = 360 + 1 = 361$

**Ans: (D) 361**

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**13.**  $100 - 35 = \square - 5$ . The number in the box is

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

So  $100 - 35 = 70 - 5$ ; the box is 70

**Ans: (C) 70**

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**14.**  $100 - 94 =$

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

$100 - 94 = 10 - 4 = 6$

**Ans: (D) 6**

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**15.**  $110 - 20 =$

Take 10 from both:  $110 - 20 = 100 - 10$

$100 - 10 = 90$

**Ans: (B) 90**

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**16.**  $101 - 9 =$

Take 1 from both:  $101 - 9 = 100 - 8$

$100 - 8 = 92$

**Ans: (C) 92**

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**17.**  $30 + 30 =$

3 tens + 3 tens = 6 tens

$30 + 30 = 60$

**Ans: (A) 60**

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**18.**  $20 + 75 =$

Add the tens:  $20 + 70 = 90$ ; the units digit 5 stays.

$20 + 75 = 95$

**Ans: (D) 95**

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19.  $42 + 96 =$

Tens:  $40 + 90 = 130$

Units:  $2 + 6 = 8$

$42 + 96 = 130 + 8 = 138$

**Ans: (C) 138**

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20.  $2982 \div 7 =$

Long division with the 7 table gives 426.

Check:  $7 \times 426 = 2982$

**Ans: (C) 426**

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21. In  $2625 \div 7$ , the first step is  $26 \div 7$ . The remainder after this step is

$7 \times 3 = 21$  is the biggest number in the 7 table that is not more than 26.

$26 - 21 = 5$

**Ans: (D) 5**

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22.  $310162 \div 2 =$

Divide digit by digit with the 2 table:  $310162 \div 2 = 155081$

Check:  $2 \times 155081 = 310162$

**Ans: (D) 155081**

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23.  $28545 \div 5 =$

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

$28545 \div 5 = 5709$  (check:  $5 \times 5709 = 28545$ )

**Ans: (B) 5709**

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24.  $4716 \div 12 =$

Long division with the 12 table gives 393.

Check:  $12 \times 393 = 4716$

**Ans: (A) 393**

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25.  $\frac{20}{4} =$

$\frac{20}{4}$  means  $20 \div 4$ .

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

**Ans: (C) 5**

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