

Basic Operations

MCQ Test, Set 09

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. $3 + 3 =$

A. 5**B. 8****C. 7****D. 6**

2. $4 + \square = 5$. The number in the box is

A. 1**B. 2****C. 5****D. 9**

3. $40 - 9 =$

A. 41**B. 31****C. 32****D. 49**

4. $87 - 3 =$

A. 57**B. 90****C. 84****D. 83**

5. $99 - 2 =$

A. 101**B. 79****C. 96****D. 97**

6. $22 - 5 =$

A. 17**B. 23****C. 16****D. 27**

7. By the 1st method, $75 - 7 = 70 - \square$. The number in the box is

A. 5**B. 7****C. 2****D. 12**

8. $80 - 30 =$

A. 50**B. 40****C. 60****D. 110**

9. By the 2nd method, $63 - 25 = \square - 30$. The number in the box is

A. 58**B. 73****C. 38****D. 68**

10. $45 - 26 =$

A. 29**B. 71****C. 21****D. 19**

11. $298 - 79 =$

A. 219**B. 221****C. 377****D. 229**

12.	$230 - 8 =$	A. 232	B. 222	C. 223	D. 238
13.	$100 - 14 = \square - 4$. The number in the box is	A. 80	B. 90	C. 86	D. 100
14.	$100 - 48 =$	A. 68	B. 62	C. 51	D. 52
15.	$110 - 40 =$	A. 150	B. 130	C. 70	D. 170
16.	$101 - 6 =$	A. 85	B. 95	C. 105	D. 96
17.	$40 + 20 =$	A. 60	B. 6	C. 50	D. 70
18.	$70 + 47 =$	A. 54	B. 127	C. 117	D. 107
19.	$31 + 14 =$	A. 55	B. 35	C. 45	D. 46
20.	$1322 \div 2 =$	A. 661	B. 6061	C. 651	D. 662
21.	In $3429 \div 9$, the first step is $34 \div 9$. The remainder after this step is	A. 16	B. 7	C. 3	D. 2
22.	$435106 \div 2 =$	A. 217554	B. 2017553	C. 217543	D. 217553
23.	$4216 \div 4 =$	A. 1540	B. 154	C. 1054	D. 10054
24.	$7898 \div 11 =$	A. 7018	B. 717	C. 718	D. 719
25.	$\frac{9}{3} =$	A. 4	B. 3	C. 6	D. 27

Key sheet

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

Solutions

1. $3 + 3 =$

Start at 3 and count on 3: $3 + 3 = 6$

Ans: (D) 6

2. $4 + \square = 5$. The number in the box is

$$\square = 5 - 4 = 1$$

Check: $4 + 1 = 5$

Ans: (A) 1

3. $40 - 9 =$

$40 = 30 + 10$ and $10 - 9 = 1$, so $40 - 9 = 30 + 1 = 31$

Ans: (B) 31

4. $87 - 3 =$

Take 3 from the units digit: $7 - 3 = 4$; the tens digit 8 stays.

$$87 - 3 = 84$$

Ans: (C) 84

5. $99 - 2 =$

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

$$99 - 2 = 97$$

Ans: (D) 97

6. $22 - 5 =$

1st method: take 2 out of 5 first ($5 - 2 = 3$): $22 - 5 = 20 - 3 = 17$

Ans: (A) 17

7. By the 1st method, $75 - 7 = 70 - \square$. The number in the box is

1st method: take 5 out of 7 first ($7 - 5 = 2$): $75 - 7 = 70 - 2 = 68$

So the box is 2

Ans: (C) 2

8. $80 - 30 =$

8 tens $-$ 3 tens $=$ 5 tens

$$80 - 30 = 50$$

Ans: (A) 50

9. By the 2nd method, $63 - 25 = \square - 30$. The number in the box is

Add 5 to both numbers so that 25 becomes 30.

$63 - 25 = 68 - 30$, so the box is 68

Ans: (D) 68

10. $45 - 26 =$

2nd method: add 4 to both: $45 - 26 = 49 - 30 = 19$

Ans: (D) 19

11. $298 - 79 =$

2nd method: add 1 to both: $298 - 79 = 299 - 80 = 219$

Ans: (A) 219

12. $230 - 8 =$

$230 = 220 + 10$ and $10 - 8 = 2$, so $230 - 8 = 220 + 2 = 222$

Ans: (B) 222

13. $100 - 14 = \square - 4$. The number in the box is

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

So $100 - 14 = 90 - 4$; the box is 90

Ans: (B) 90

14. $100 - 48 =$

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

$100 - 48 = 60 - 8 = 52$

Ans: (D) 52

15. $110 - 40 =$

Take 10 from both: $110 - 40 = 100 - 30$

$100 - 30 = 70$

Ans: (C) 70

16. $101 - 6 =$

Take 1 from both: $101 - 6 = 100 - 5$

$100 - 5 = 95$

Ans: (B) 95

17. $40 + 20 =$

4 tens + 2 tens = 6 tens

$40 + 20 = 60$

Ans: (A) 60

18. $70 + 47 =$

Add the tens: $70 + 40 = 110$; the units digit 7 stays.

$70 + 47 = 117$

Ans: (C) 117

19. $31 + 14 =$

Tens: $30 + 10 = 40$

Units: $1 + 4 = 5$

$31 + 14 = 40 + 5 = 45$

Ans: (C) 45

20. $1322 \div 2 =$

Long division with the 2 table gives 661.

Check: $2 \times 661 = 1322$

Ans: (A) 661

21. In $3429 \div 9$, the first step is $34 \div 9$. The remainder after this step is

$9 \times 3 = 27$ is the biggest number in the 9 table that is not more than 34.

$34 - 27 = 7$

Ans: (B) 7

22. $435106 \div 2 =$

Divide digit by digit with the 2 table: $435106 \div 2 = 217553$

Check: $2 \times 217553 = 435106$

Ans: (D) 217553

23. $4216 \div 4 =$

When a brought-down number is less than 4, a 0 goes in the quotient.

$4216 \div 4 = 1054$ (check: $4 \times 1054 = 4216$)

Ans: (C) 1054

24. $7898 \div 11 =$

Long division with the 11 table gives 718.

Check: $11 \times 718 = 7898$

Ans: (C) 718

25. $\frac{9}{3} =$

$\frac{9}{3}$ means $9 \div 3$.

$3 \times 3 = 9$, so $\frac{9}{3} = 3$

Ans: (B) 3
