

Basic Operations

MCQ Test, Set 05

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. $6 + 1 =$

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

2. $6 + \square = 10$. The number in the box is

A. 5**B. 3****C. 16****D. 4**

3. $90 - 3 =$

A. 87**B. 97****C. 93****D. 88**

4. $39 - 8 =$

A. 47**B. 31****C. 32****D. 30**

5. $54 - 4 =$

A. 49**B. 14****C. 50****D. 58**

6. $92 - 4 =$

A. 98**B. 96****C. 88****D. 92**

7. By the 2nd method, $55 - 8 = \square - 10$. The number in the box is

A. 57**B. 63****C. 53****D. 47**

8. $60 - 40 =$

A. 100**B. 30****C. 20****D. 10**

9. By the 2nd method, $91 - 62 = \square - 70$. The number in the box is

A. 99**B. 29****C. 93****D. 83**

10. $39 - 29 =$

A. 11**B. 68****C. 10****D. 20**

11. $390 - 27 =$

A. 363**B. 373****C. 417****D. 377**

12.	$280 - 2 =$	A. 279	B. 288	C. 282	D. 278
13.	$100 - 54 = \square - 4$. The number in the box is	A. 60	B. 50	C. 40	D. 46
14.	$100 - 50 =$	A. 150	B. 60	C. 50	D. 40
15.	$140 - 90 =$	A. 230	B. 150	C. 50	D. 40
16.	$122 - 49 =$	A. 173	B. 73	C. 127	D. 83
17.	$10 + 60 =$	A. 80	B. 7	C. 60	D. 70
18.	$70 + 69 =$	A. 139	B. 149	C. 129	D. 76
19.	$35 + 92 =$	A. 27	B. 137	C. 117	D. 127
20.	$2133 \div 3 =$	A. 712	B. 7011	C. 711	D. 701
21.	In $4050 \div 6$, the first step is $40 \div 6$. The remainder after this step is	A. 6	B. 4	C. 2	D. 10
22.	$882024 \div 2 =$	A. 441013	B. 441012	C. 44112	D. 4041012
23.	$10055 \div 5 =$	A. 2011	B. 20011	C. 2110	D. 211
24.	$7056 \div 12 =$	A. 5088	B. 588	C. 587	D. 589
25.	$\frac{24}{3} =$	A. 21	B. 9	C. 72	D. 8

Key sheet

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

Solutions

1. $6 + 1 =$

Start at 6 and count on 1: $6 + 1 = 7$

Ans: (D) 7

2. $6 + \square = 10$. The number in the box is

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

Check: $6 + 4 = 10$

Ans: (D) 4

3. $90 - 3 =$

$90 = 80 + 10$ and $10 - 3 = 7$, so $90 - 3 = 80 + 7 = 87$

Ans: (A) 87

4. $39 - 8 =$

Take 8 from the units digit: $9 - 8 = 1$; the tens digit 3 stays.

$$39 - 8 = 31$$

Ans: (B) 31

5. $54 - 4 =$

Take 4 from the units digit: $4 - 4 = 0$; the tens digit 5 stays.

$$54 - 4 = 50$$

Ans: (C) 50

6. $92 - 4 =$

1st method: take 2 out of 4 first ($4 - 2 = 2$): $92 - 4 = 90 - 2 = 88$

Ans: (C) 88

7. By the 2nd method, $55 - 8 = \square - 10$. The number in the box is

2nd method: add 2 to both: $55 - 8 = 57 - 10 = 47$

So the box is 57

Ans: (A) 57

8. $60 - 40 =$

6 tens $-$ 4 tens $=$ 2 tens

$$60 - 40 = 20$$

Ans: (C) 20

9. By the 2nd method, $91 - 62 = \square - 70$. The number in the box is

Add 8 to both numbers so that 62 becomes 70.

$91 - 62 = 99 - 70$, so the box is 99

Ans: (A) 99

10. $39 - 29 =$

units $9 - 9 = 0$, tens $3 - 2 = 1$: $39 - 29 = 10$

Ans: (C) 10

11. $390 - 27 =$

2nd method: add 3 to both: $390 - 27 = 393 - 30 = 363$

Ans: (A) 363

12. $280 - 2 =$

$280 = 270 + 10$ and $10 - 2 = 8$, so $280 - 2 = 270 + 8 = 278$

Ans: (D) 278

13. $100 - 54 = \square - 4$. The number in the box is

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

So $100 - 54 = 50 - 4$; the box is 50

Ans: (B) 50

14. $100 - 50 =$

10 tens $- 5$ tens $= 5$ tens

$100 - 50 = 50$

Ans: (C) 50

15. $140 - 90 =$

Take 40 from both: $140 - 90 = 100 - 50$

$100 - 50 = 50$

Ans: (C) 50

16. $122 - 49 =$

3rd method: $122 - 100 = 22$ and $100 - 49 = 51$

$122 - 49 = 22 + 51 = 73$

Ans: (B) 73

17. $10 + 60 =$

1 ten $+ 6$ tens $= 7$ tens

$10 + 60 = 70$

Ans: (D) 70

18. $70 + 69 =$

Add the tens: $70 + 60 = 130$; the units digit 9 stays.

$70 + 69 = 139$

Ans: (A) 139

19. $35 + 92 =$

Tens: $30 + 90 = 120$

Units: $5 + 2 = 7$

$35 + 92 = 120 + 7 = 127$

Ans: (D) 127

20. $2133 \div 3 =$

Long division with the 3 table gives 711.

Check: $3 \times 711 = 2133$

Ans: (C) 711

21. In $4050 \div 6$, the first step is $40 \div 6$. The remainder after this step is

$6 \times 6 = 36$ is the biggest number in the 6 table that is not more than 40.

$40 - 36 = 4$

Ans: (B) 4

22. $882024 \div 2 =$

Divide digit by digit with the 2 table: $882024 \div 2 = 441012$

Check: $2 \times 441012 = 882024$

Ans: (B) 441012

23. $10055 \div 5 =$

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

$10055 \div 5 = 2011$ (check: $5 \times 2011 = 10055$)

Ans: (A) 2011

24. $7056 \div 12 =$

Long division with the 12 table gives 588.

Check: $12 \times 588 = 7056$

Ans: (B) 588

25. $\frac{24}{3} =$

$\frac{24}{3}$ means $24 \div 3$.

$3 \times 8 = 24$, so $\frac{24}{3} = 8$

Ans: (D) 8
