

Integers

MCQ Test, Set 02

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. Which of the numbers $\frac{3}{4}$, -17 , 49 , 0 is NOT an integer?
A. $\frac{3}{4}$ **B.** 49 **C.** -17 **D.** 0
2. How many jumps of 1 take you from -29 to 21 on the number line?
A. 51 **B.** 50 **C.** 49 **D.** 8
3. The sum of -19 and -35 is
A. -44 **B.** -54 **C.** -16 **D.** -64
4. In $-59 - 52 = -(\square)$, the number in the box is
A. 1 **B.** 7 **C.** 111 **D.** 121
5. $-79 - 66$ equals
A. -35 **B.** -155 **C.** -13 **D.** -145
6. In $16 - 41 = -(\square)$, the number in the box is
A. 25 **B.** 35 **C.** 15 **D.** 57
7. $38 - 63$ equals
A. -15 **B.** -35 **C.** -101 **D.** -25
8. $-577 - 445$ equals
A. -1022 **B.** -912 **C.** -1032 **D.** -132
9. $-2754 + 1306$ equals
A. -4060 **B.** -1458 **C.** -1452 **D.** -1448
10. $92438 - 485 =$
A. 91952 **B.** 92053 **C.** 91953 **D.** 91954
11. Asha worked out $50013 - 5375$ and got 55362 , which is wrong. The correct answer is
A. 44637 **B.** 44638 **C.** 44639 **D.** 55748

12. To find $773 - 284$, Ravi counts down $773 \rightarrow 300 \rightarrow 284$. The two jumps are
A. 573 and 16 **B.** 473 and 84 **C.** 473 and 16 **D.** 473 and 26
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13. The value of $-6299 - 815$ is
A. -5484 **B.** -7124 **C.** -6004 **D.** -7114
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14. The value of $596 - 959$ is
A. -363 **B.** -463 **C.** -1555 **D.** -443
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15. In four days a stall had: profit ₹982, profit ₹189, loss ₹113, loss ₹844. Altogether this is
A. a loss of ₹164 **B.** a profit of ₹440
C. a profit of ₹214 **D.** a loss of ₹214
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16. $3551 - 315 - 1762 =$
A. -5628 **B.** 1474 **C.** 4998 **D.** 2104
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17. The value of $-19 + 666 - 16 + 404$ is
A. 1073 **B.** 1105 **C.** 1035 **D.** 227
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18. Which of these comes out positive?
A. -22×-7 **B.** $-24 - 33$ **C.** 13×-27 **D.** $-36 + 21$
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19. Find the expression with a negative value.
A. $-13 + 31$ **B.** -3×36 **C.** -25×-4 **D.** $38 + 27$
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20. $94 \times -995 =$
A. -12935 **B.** -93630 **C.** -93430 **D.** -93530
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21. $88 \times -18 =$
A. -1584 **B.** -792 **C.** -1684 **D.** -1484
-
22. $\frac{308}{-7} =$
A. -45 **B.** -44 **C.** -46 **D.** -43
-
23. $\frac{7584}{-2} =$
A. -3782 **B.** -37920 **C.** -3802 **D.** -3792
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24. The value of -4×-36 is
A. -40 **B.** 140 **C.** 144 **D.** 148
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25. Which one has a negative result?
A. $-5 - 29$ **B.** $\frac{-957}{-3}$ **C.** $-8 + 28$ **D.** -21×-3
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Key sheet

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

Solutions

1. Which of the numbers $\frac{3}{4}$, -17 , 49 , 0 is NOT an integer?

Integers are $\dots, -2, -1, 0, 1, 2, \dots$: whole numbers and their negatives, no fractions or decimals.

$\frac{3}{4}$ is not an integer.

Ans: (A) $\frac{3}{4}$

2. How many jumps of 1 take you from -29 to 21 on the number line?

29 jumps to reach 0, then 21 more to reach 21.

$$29 + 21 = 50$$

Ans: (B) 50

3. The sum of -19 and -35 is

Adding -35 to -19 gives $-19 - 35$.

$$\text{Both are negative: } -19 - 35 = -(19 + 35) = -54$$

Ans: (B) -54

4. In $-59 - 52 = -(\square)$, the number in the box is

Same signs: add the numbers and keep the $-$ sign.

$$-59 - 52 = -(59 + 52) = -(111)$$

Ans: (C) 111

5. $-79 - 66$ equals

Both are negative: add and keep the $-$ sign.

$$-79 - 66 = -(79 + 66) = -145$$

Ans: (D) -145

6. In $16 - 41 = -(\square)$, the number in the box is

Different signs: subtract the smaller from the bigger; the bigger is negative, so the answer is negative.

$$16 - 41 = -(41 - 16) = -(25)$$

Ans: (A) 25

7. $38 - 63$ equals

Different signs: subtract the smaller from the bigger and keep the sign of the bigger.

$$38 - 63 = -(63 - 38) = -25$$

Ans: (D) -25

8. $-577 - 445$ equals

$$-577 - 445 = -(577 + 445) = -1022$$

Ans: (A) -1022

9. $-2754 + 1306$ equals

Different signs: subtract and keep the sign of the bigger number.

$$-2754 + 1306 = -(2754 - 1306) = -1448$$

Ans: (D) -1448

10. $92438 - 485 =$

Subtract column by column from the units, borrowing where the top digit is smaller.

$$92438 - 485 = 91953$$

Ans: (C) 91953

11. Asha worked out $50013 - 5375$ and got 55362, which is wrong. The correct answer is

Subtract column by column from the units. When you borrow, take the 1 away from the next column.

$$50013 - 5375 = 44638$$

Ans: (B) 44638

12. To find $773 - 284$, Ravi counts down $773 \rightarrow 300 \rightarrow 284$. The two jumps are

$$773 \rightarrow 300: 773 - 300 = 473$$

$$300 \rightarrow 284: 300 - 284 = 16$$

$$(\text{So } 773 - 284 = 473 + 16 = 489.)$$

Ans: (C) 473 and 16

13. The value of $-6299 - 815$ is

Both are negative: add and keep the $-$ sign.

$$-6299 - 815 = -(6299 + 815) = -7114$$

Ans: (D) -7114

14. The value of $596 - 959$ is

$$596 - 959 = -(959 - 596)$$

$$959 \rightarrow 600 \rightarrow 596: 359 + 4 = 363$$

So the answer is -363

Ans: (A) -363

15. In four days a stall had: profit ₹982, profit ₹189, loss ₹113, loss ₹844. Altogether this is

$$\text{Positive terms: } 982 + 189 = 1171$$

$$\text{Negative terms: } 113 + 844 = 957$$

$$982 + 189 - 113 - 844 = 1171 - 957 = 214$$

A profit of ₹214.

Ans: (C) a profit of ₹214

16. $3551 - 315 - 1762 =$

Positive term: 3551

$$\text{Negative terms: } 315 + 1762 = 2077$$

$$3551 - 315 - 1762 = 3551 - 2077 = 1474$$

Ans: (B) 1474

17. The value of $-19 + 666 - 16 + 404$ is

Add the positive terms, add the negative terms, then subtract.

$$-19 + 666 - 16 + 404 = 1070 - 35 = 1035$$

Ans: (C) 1035

18. Which of these comes out positive?

$$-22 \times -7: - \times - = +, \text{ so it is } 154$$

$$13 \times -27 = -351, -24 - 33 = -57, -36 + 21 = -15: \text{ all negative}$$

Ans: (A) -22×-7

19. Find the expression with a negative value.

$$-3 \times 36: - \times + = -, \text{ so it is } -108$$

$$-25 \times -4 = 100, 38 + 27 = 65, -13 + 31 = 18: \text{ all positive}$$

Ans: (B) -3×36

20. $94 \times -995 =$

$$\text{Sign: } + \times - = -$$

$$995 \times 4 = 3980, 995 \times 90 = 89550, 3980 + 89550 = 93530$$

$$\text{So } 94 \times -995 = -93530$$

Ans: (D) -93530

21. $88 \times -18 =$

$$\text{Sign: } + \times - = -$$

$$88 \times 8 = 704, 88 \times 10 = 880, 704 + 880 = 1584$$

$$\text{So } 88 \times -18 = -1584$$

Ans: (A) -1584

22. $\frac{308}{-7} =$

$$\frac{+}{-} = -$$

$$308 \div 7 = 44, \text{ so } \frac{308}{-7} = -44$$

Ans: (B) -44

23. $\frac{7584}{-2} =$

$$\frac{+}{-} = -$$

$$7 \div 2 = 3 \text{ r } 1; 15 \div 2 = 7 \text{ r } 1; 18 \div 2 = 9; 4 \div 2 = 2$$

$$\text{So } \frac{7584}{-2} = -3792$$

Ans: (D) -3792

24. The value of -4×-36 is

Multiplication rule: $- \times - = +$ (do not add the numbers).

$$4 \times 36 = 144, \text{ so } -4 \times -36 = 144$$

Ans: (C) 144

25. Which one has a negative result?

$-5 - 29 = -(5 + 29) = -34$: two negatives added stay negative.

The others are positive: $-21 \times -3 = 63$, $\frac{-957}{-3} = 319$, $-8 + 28 = 20$

Ans: (A) $-5 - 29$
