

Operations with integers

I. Perform the following operations on Integers:-

1. $(+5) + (+2)$

6. $(-7) + (-3)$

11. $(+9) + (-4)$

2. $(-5) + (-2)$

7. $(+7) + (-3)$

12. $(-9) + (+4)$

3. $(+5) + (-2)$

8. $(-7) + (+3)$

13. $(-7) + (-2)$

4. $(-5) + (+2)$

9. $(+9) + (+4)$

14. $(-7) + (+2)$

5. $(+7) + (+3)$

10. $(-9) + (-4)$

15. $(+7) + (-2)$

II. Perform the following operations on Integers:-

1. $(+5) - (+2)$

6. $(-7) - (-3)$

11. $(+9) - (-4)$

2. $(-5) - (-2)$

7. $(+7) - (-3)$

12. $(-9) - (+4)$

3. $(+5) - (-2)$

8. $(-7) - (+3)$

13. $(-7) - (-2)$

4. $(-5) - (+2)$

9. $(+9) - (+4)$

14. $(-7) - (+2)$

5. $(+7) - (+3)$

10. $(-9) - (-4)$

15. $(+7) - (-2)$

III. Perform the following operations on Integers:-

1. $(+5) \times (+2)$

11. $(+9) \times (-4)$

2. $(-5) \times (-2)$

12. $(-9) \times (+4)$

3. $(+5) \times (-2)$

13. $(-7) \times (-2)$

4. $(-5) \times (+2)$

14. $(-7) \times (+2)$

5. $(+7) \times (+3)$

15. $(+7) \times (-2)$

6. $(-7) \times (-3)$

16. $-8 \div -2$

7. $(+7) \times (-3)$

17. $-8 \div 2$

8. $(-7) \times (+3)$

18. $8 \div (-2)$

9. $(+9) \times (+4)$

10. $(-9) \times (-4)$

19. $24/(-2)$

20. $-18/6$

IV. Fill in the blanks with $<$, $>$ or $=$ sign.

(A) $(-3) + (-6)$ _____ $(-3) - (-6)$

(B) $(-21) - (-10)$ _____ $(-31) + (-11)$

(C) $45 - (-11)$ _____ $57 + (-4)$

(D) $(-25) - (-42)$ _____ $(-42) - (-25)$

V. Fill in the blanks using $>$, $<$ or $=$ sign.

(A) $(-8) + (-4)$ $(-8) - (-4)$

(B) $(-3) + 7 - (19)$ $5 - 8 + (-9)$

(C) $39 + (-24) - (15)$ $36 - (-52) - (-36)$

(D) $-231 + 79 + 51$ $-399 + 159 + 81$

VI. Fill in the blanks

(A) $(-8) + \underline{\hspace{2cm}} = 0$

(B) $13 + \underline{\hspace{2cm}} = 0$

(C) $12 + (-12) = \underline{\hspace{2cm}}$

(D) $(-4) + \underline{\hspace{2cm}} = -12$

(E) $\underline{\hspace{2cm}} - 15 = -10$

(F) $(-9) \times \underline{\hspace{2cm}} = 27$

(G) $5 \times \underline{\hspace{2cm}} = -35$

(H) $\underline{\hspace{2cm}} \times (-8) = (-56)$

(I) _____ $\times (-12) = 132$

VII. Answer the following questions

(i) Find each of the following products.

(A) $(-20) \times (-2) \times (-5) \times 7$

(b) $(-1) \times (-5) \times (-4) \times (-6)$

VIII. Solve

(A) $(-30) \div 10$

(B) $50 \div (-5)$

(C) $(-36) \div (-9)$

(D) $(-49) \div 49$

(E) $13 \div \{(-2) + 1\}$

(F) $0 \div (-12)$

(G) $(-31) \div \{(-30) + (-1)\}$

(H) $\{(-36) + 12\} \div 3$

(I) $\{(-6) + 5\} \div \{(-2) + 1\}$

IX. Fill in the blanks

A. $369 \div \underline{\hspace{2cm}} = 369$

B. $(-75) \div \underline{\hspace{2cm}} = -1$

C. $(-206) \div \underline{\hspace{2cm}} = -1$

D. $-87 \div \underline{\hspace{2cm}} = 87$

E. $\underline{\hspace{2cm}} \div 1 = -87$

F. _____ / 48 = -1

G. 20 / _____ = -2

H. _____ / (4) = -3

X. Solve using suitable properties:-

1) $(-5782396) \times 9 + 5782396 \times (-1)$

2) $8326429 \times (-98) + (-8326429) \times (-2)$

3) $(-7624928) \times 997 + (7624928) \times (-3)$

4) $(-98) \times (-9) + 98$

5) $(-237) \times (-99) + 237$

6) $(-563) \times (-999) + 563$

7) $7 \times (50-2)$

8) $253 \times (100-1)$

9) $567 \times (1000-1)$

10) $(-41) \times 102$

11) $(-34) \times 1002$

12) $(-67) \times 101$

13) $(-84) \times 99$

14) $(-24) \times 998$

15) $(-17) \times 9997$

16) $(-17) \times (-29)$

17) $(-27) \times (-39)$

18) $(-37) \times (-49)$

19) $8 \times 53 \times (-125)$

20) $8 \times 56739 \times (125)$

21) $(-8) \times 32597 \times 12$

22) $8 \times (-63298) \times 125$

23) $(-8) \times (-53) \times 125$

24) $8 \times (-56739) \times (-125)$

25) $15 \times (-25) \times (-4) \times (-10)$

26) $23 \times (-25) \times (-4) \times (-10)$

27) $627 \times (-125) \times (-8)$

28) $583 \times (-125) \times (-5) \times 16$

29) $(-749) \times 25 \times (-250) \times 16$

30) $183 \times (-25) \times 8 \times 5$