

Q.1 State the sign of the products without actually multiplying the integers

(i) $(-8) \times (-3) \times (-4) \times (-6)$

(ii) $(-5) \times (-10) \times (-9)$

(iii) $1 \times (-6) \times 4 \times (-2)$

Q.2 Find the product of following

(i) -18×19

(ii) 100000×1

(iii) $(-1) \times 537$

(iv) $-11 \times (-11) \times (-11)$

Find

(i) $-40 \div 10$

(ii) $-48 \div 1$

(iii) $-81 \div (-9)$

(iv) $51 \div 51$

In 1 through 3, find each product.

1. $(3)(-8)$ 2. $(-9)(-6)$ 3. $4 \times (-2)$

In 4 through 6, evaluate each expression for $n = -3$.

4. $5n$ 5. $-14n$ 6. $n \times |-31|$

In 9 through 18, find the product.

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|-----------------------|-------------------|-------------------|----------------------|----------------------|
| 9. $3 \times (-7)$ | 10. $(-8)(6)$ | 11. -9×4 | 12. $15 \times (-8)$ | 13. $(-14)^2$ |
| 14. $-1 \times (-27)$ | 15. 4×24 | 16. $(7)(-18)$ | 17. $-5 \times (11)$ | 18. $17 \times (-3)$ |

In 1 through 4, find each quotient.

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|--------------------|--------------------|
| 1. $-54 \div (-6)$ | 2. $-63 \div 7$ |
| 3. $35 \div (-5)$ | 4. $-32 \div (-8)$ |

In 5 through 8, evaluate each expression for $n = -24$.

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|---------------------|----------------|
| 5. $n \div (-3)$ | 6. $96 \div n$ |
| 7. $\frac{-144}{n}$ | 8. $n + 12$ |

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|----------------------|----------------------|--------------------|---------------------|----------------------|
| 11. $21 \div (-7)$ | 12. $-105 \div (-5)$ | 13. $0 \div (-12)$ | 14. $56 \div (-8)$ | 15. $14 \div (-14)$ |
| 16. $-52 \div (-26)$ | 17. $144 \div 24$ | 18. $-121 \div 11$ | 19. $120 \div (-1)$ | 20. $150 \div (-15)$ |

In 21 through 26, use order of operations to evaluate each expression for $a = -6$.

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|------------------------|---------------------|------------------|-----------------------|
| 21. $a \div 2$ | 22. $-48 \div a$ | 23. $126 \div a$ | 24. $25 + (a \div 3)$ |
| 25. $0 \div (3a + 27)$ | 26. $36 \div a + 4$ | 27. $a^2 \div 6$ | 28. $(2a - 3) \div 5$ |