

MULTIPLICATION AND DIVISION OF INTEGERS

Multiply and divide integers two at a time. If the signs are the same, their product will be positive. If the signs are different, their product will be negative.

a. $2 \cdot 3 = 6$ or $3 \cdot 2 = 6$

b. $-2 \cdot (-3) = 6$ or $(+2) \cdot (+3) = 6$

e. $(-2) \cdot 3 = -6$ or $3 \cdot (-2) = -6$

g. $9 \cdot (-7) = -63$ or $-7 \cdot 9 = -63$

Problems

Use the rules above to find each product or quotient.

1. $(-4)(2)$

2. $(-3)(4)$

3. $(-12)(5)$

4. $(-21)(8)$

5. $(4)(-9)$

6. $(13)(-8)$

7. $(45)(-3)$

8. $(105)(-7)$

9. $(-7)(-6)$

10. $(-7)(-9)$

11. $(-22)(-8)$

12. $(-127)(-4)$

13. $(-8)(-4)(2)$

14. $(-3)(-3)(-3)$

15. $(-5)(-2)(8)(4)$

16. $(-5)(-4)(-6)(-3)$

17. $(-2)(-5)(4)(8)$

18. $(-2)(-5)(-4)(-8)$

19. $(-2)(-5)(4)(-8)$

20. $2(-5)(4)(-8)$

answers on next page...

Answers

- | | | | | |
|---------|---------|---------|----------|---------|
| 1. -8 | 2. -12 | 3. -60 | 4. -168 | 5. -36 |
| 6. -104 | 7. -135 | 8. -735 | 9. 42 | 10. 63 |
| 11. 176 | 12. 508 | 13. 64 | 14. -27 | 15. 320 |
| 16. 360 | 17. 320 | 18. 320 | 19. -320 | 20. 320 |