

4.5 MULTIPLICATION OF INTEGERS

A. Find the product of each of the following.

- | | | | |
|------------------|------------------|------------------|------------------|
| 1. $(+7)(+9)$ | 2. $(+8)(+6)$ | 3. $(+6)(0)$ | 4. $(+3)(+3)$ |
| 5. $(-2)(+4)$ | 6. $(-5)(+9)$ | 7. $(+9)(+2)$ | 8. $(-8)(0)$ |
| 9. $(+2)(-7)$ | 10. $(-4)(-5)$ | 11. $(-5)(+1)$ | 12. $(+7)(-6)$ |
| 13. $(-9)(-8)$ | 14. $(+5)(0)$ | 15. $(+3)(-4)$ | 16. $(-12)(-7)$ |
| 17. $(-15)(+8)$ | 18. $(+19)(-10)$ | 19. $(-20)(+9)$ | 20. $(-17)(+5)$ |
| 21. $(+25)(+3)$ | 22. $(-14)(-2)$ | 23. $(+16)(-4)$ | 24. $(-18)(+6)$ |
| 25. $(-23)(-8)$ | 26. $(+42)(+8)$ | 27. $(-15)(-5)$ | 28. $(-12)(+6)$ |
| 29. $(+10)(-7)$ | 30. $(-11)(-6)$ | 31. $(-43)(+20)$ | 32. $(-25)(-16)$ |
| 33. $(+15)(+18)$ | 34. $(+17)(-23)$ | 35. $(-19)(-35)$ | 36. $(-13)(+14)$ |
| 37. $(+14)(+17)$ | 38. $(-22)(+50)$ | 39. $(+33)(-30)$ | 40. $(-50)(+20)$ |
| 41. $(+46)(-72)$ | 42. $(-15)(+62)$ | 43. $(+35)(-15)$ | 44. $(-70)(-18)$ |
| 45. $(-80)(+9)$ | 46. $(-9)(+3)$ | 47. $(+12)(-9)$ | 48. $(-14)(+8)$ |
| 49. $(+7)(+4)$ | 50. $(-8)(+5)$ | 51. $(-16)(+7)$ | 52. $(-15)(+9)$ |
| 53. $(-20)(-3)$ | 54. $(+30)(+6)$ | 55. $(-21)(+16)$ | 56. $(-14)(-10)$ |
| 57. $(-15)(+15)$ | 58. $(+17)(-17)$ | 59. $(-12)(-12)$ | 60. $(+13)(+13)$ |

B. Complete the following.

1. A positive times a positive = _____ and a negative times a negative = _____
2. A positive times a negative = _____ and a negative times a positive = _____
3. When multiplying and the signs are the same, the answer is always _____
4. When multiplying and the signs are different, the answer is always _____

Why Is Your Nose in the Middle of Your Face?



Write each answer, then mark it in the answer column. For each set of exercises, there is one extra answer. Write the letter of this answer in the corresponding box at the bottom of the page.

1	$-4 \cdot 5$	Answers:		8	$-2 \cdot 3 \cdot -5$	Answers:							
	$6 \cdot -8$	(G) -48	(K) -20		$4 \cdot -1 \cdot 9$	(P) -36	(W) 30						
	$-9 \cdot -2$	(E) -18	(R) 18		$-8 \cdot -5 \cdot 2$	(S) 36	(V) 80						
2	$-3 \cdot 8$			9	$6 \cdot -2 \cdot -4$								
	$-4 \cdot -6$	(B) 24	(T) -49		$-7 \cdot 5 \cdot 2$	(L) 48	(T) -50						
	$7 \cdot 7$	(U) -24	(F) 49		$-3 \cdot -8 \cdot -2$	(N) -70	(D) -48						
3	$-5 \cdot -9$			10	$4 \cdot 3 \cdot -5$								
	$20 \cdot -4$	(S) -48	(V) -80		$-9 \cdot -8 \cdot -1$	(H) -72	(U) -60						
	$-16 \cdot 2$	(M) -32	(D) 45		$-2 \cdot 2 \cdot -6$	(R) 24	(E) -24						
4	$6 \cdot -6$			11	$-7 \cdot -3 \cdot -4$								
	$-10 \cdot -18$	(L) -36	(W) 36		$5 \cdot -9 \cdot 2$	(O) -90	(H) 84						
	$-12 \cdot -3$	(I) -180	(Y) 180		$-6 \cdot -5 \cdot 3$	(T) -84	(W) 90						
5	$-1 \cdot 24$			12	$-8 \cdot 2 \cdot 10$								
	$2 \cdot -24$	(H) -24	(P) -48		$4 \cdot -5 \cdot -5$	(C) -100	(P) -160						
	$-3 \cdot -24$	(O) 72	(T) 84		$-6 \cdot -8 \cdot -2$	(A) 100	(L) -96						
6	$-7 \cdot -11$			13	$-7 \cdot 9 \cdot -1$								
	$15 \cdot -4$	(G) -60	(E) 75		$-3 \cdot -5 \cdot -3$	(O) 63	(E) -45						
	$-12 \cdot -5$	(J) 77	(C) 60		$4 \cdot 8 \cdot -2$	(I) -48	(B) -64						
7	$4 \cdot 50$			14	$-2 \cdot -15 \cdot -5$								
	$-25 \cdot 8$	(R) -100	(B) 200		$-6 \cdot -1 \cdot 25$	(A) 150	(N) 27						
	$-90 \cdot 0$	(F) 0	(M) -200		$3 \cdot -3 \cdot 3$	(M) -27	(Y) -150						
4	9	13	3	5	11	1	8	12	6	14	2	10	7