

Multiplying Integers

The product of two positive integers is positive.

Examples	$k = 4(9)$	$m = 6(7)(2)$	$j = 5(3)(5)$
	$k = 36$	$m = 42(2)$	$j = 15(5)$
		$m = 84$	$j = 75$

The product of two negative integers is positive.

Examples	$h = (-7)(-5)$	$v = (-9)^2$	$z = (-25)(-7)$
	$h = 35$	$v = -9(-9)$	$z = 175$
		$v = 81$	

The product of a positive integer and a negative integer is negative.

Examples	$c = (-20)(8)$	$g = (70)(-3)(2)$	$y = (-6)(5)^2$
	$c = -160$	$g = -210(2)$	$y = (-6)25$
		$g = -420$	$y = -150$

Solve each equation.

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|--------------------|---------------------|-------------------------------|
| 1. $z = 8(9)$ | 2. $t = -4(8)$ | 3. $b = 4(-5)$ |
| 4. $-5(-5) = h$ | 5. $-40(6) = n$ | 6. $20(-9) = y$ |
| 7. $2(-5)(-8) = h$ | 8. $g = -6(-3)(-2)$ | 9. $w = -5(10)(-4)$ |
| 10. $t = (-20)^2$ | 11. $-10(9)^2 = p$ | 12. $r = (5)^2 \cdot (-10)^2$ |