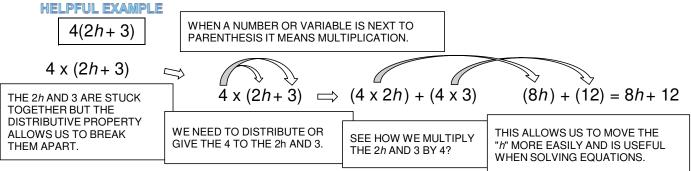
## THE DISTRIBUTIVE PROPERTY OF MULTIPLICATION

## ANSWERS

THE DISTRIBUTIVE PROPERTY OF MULTIPLICATION ALLOWS US TO DISTRIBUTE OR GIVE MULTIPLICATION TO ADDITION OR SUBTRACTION. IT MAKES NUMBERS EASIER TO WORK WITH AND ALLOWS US TO BREAK VARIABLES AND NUMBERS INTO PARTS.

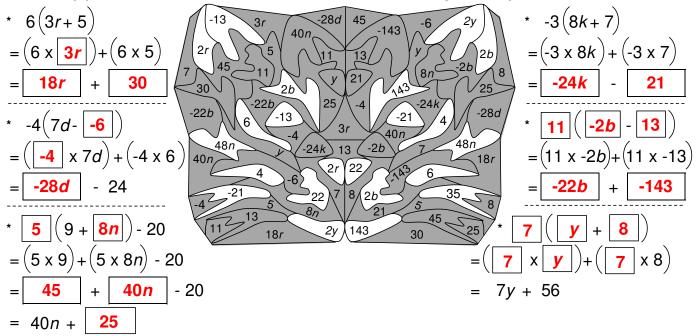


Now you turn. Use the Distributive Property to simplify each expression.

- 8d-3(2d-5) 5(3a+7)3. 4 + 2(4e - 6)1. 2.  $= 8d + (-3 \times 2d) + (-3 \times -5)$ 15a + 358e - 8 = 8d - 6d + 15WHEN THE 3 WAS MULTIPLIED, DID YOU SEE THAT THE MINUS OR NEGATIVE WENT WITH IT. = 2d + 15 $(-3 \times 2d) = -6d$  and  $(-3 \times -5) = +15$ . 4. 7(3+5h) - 119u - 9(2u + 4) + 85. 6. 3(6k-3) + 7(1+k)35h + 1025k - 2 -9u - 28
- 7. 2(3 4m) 4(2m 4)-16m + 22 -31g + 1 -31g + 1

9. 10(9 - 5w) - 6(-12 - 9w)4w + 162

Fill in the empty boxes, find the answers, and shade. Be careful with the negative and positive numbers.



MATHCRUSH.COM