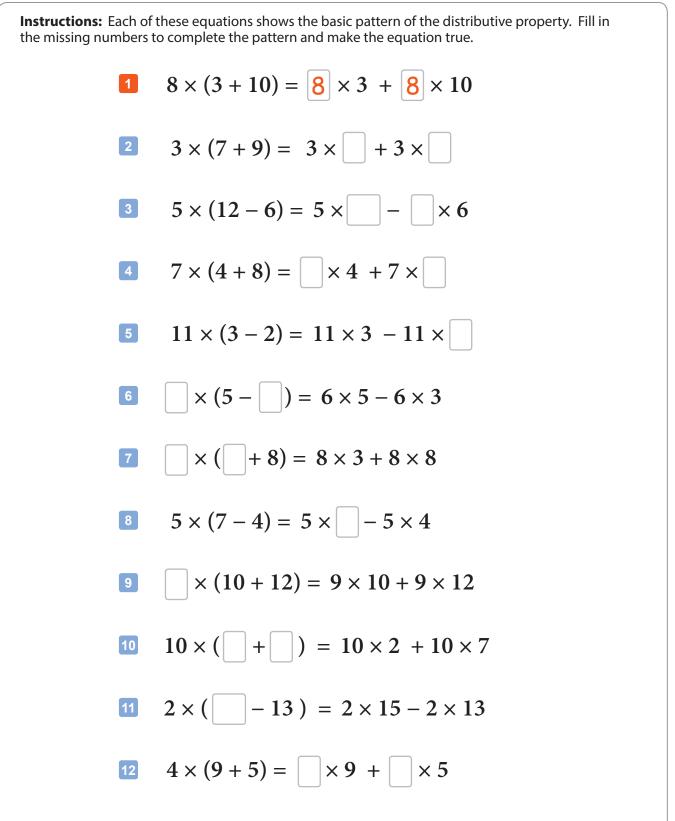


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A-DPA 1

The Distributive Property Pattern

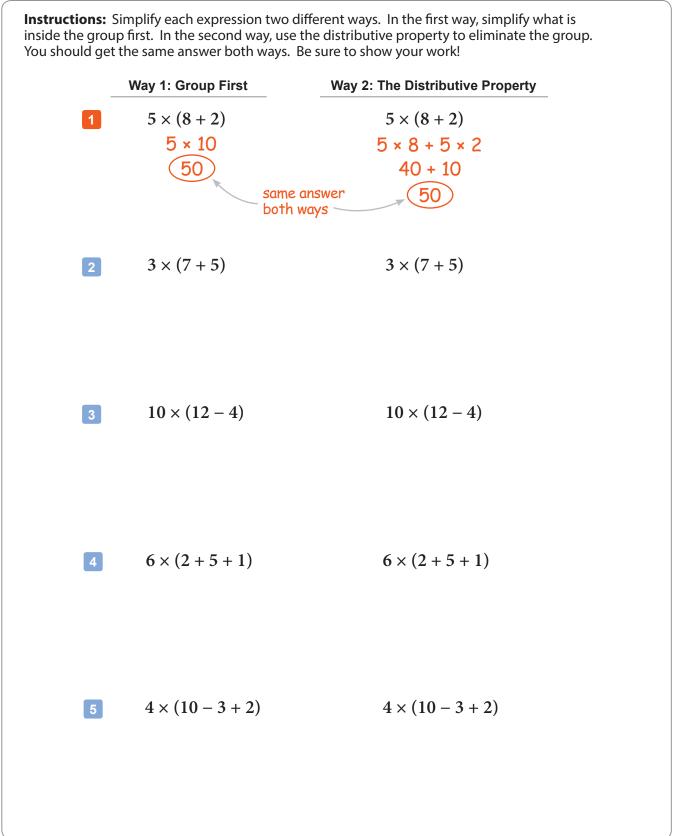




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A-DPA 2

Simplifying Expressions Two Different Ways



Math Antics[®] Worksheets

Name:

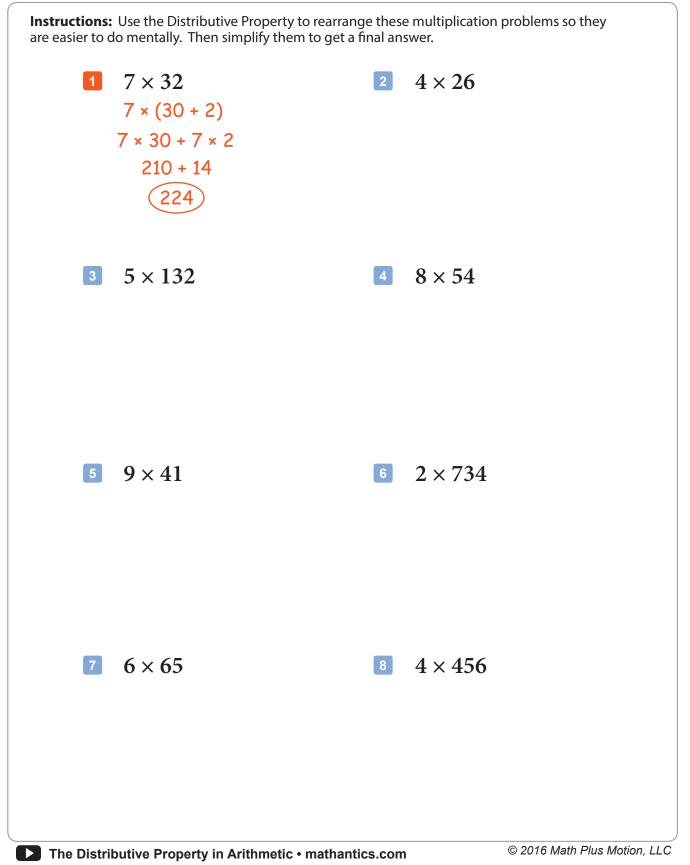
Date:

Instructions: Use the Distributive Property to simplify each of these expressions. Be sure to show all your work.				
1	$3 \times (7 + 4)$ $3 \times 7 + 3 \times 4$ 21 + 12 $\overline{33}$	2	10 × (3 + 5)	
3	2 × (7 + 5)	4	7 × (5 – 1)	
5	3 × (12 + 10)	6	4 × (9 + 5)	
7	$5 \times (6 + 5 - 1)$	8	6 imes (10 - 6 - 4)	
9	12 × (10 – 5 + 2)	10	$8 \times (2 + 3 + 4)$	
	ibutive Property in Arithmetic		n © 2016 Math Pl	us Motion 11



Date:

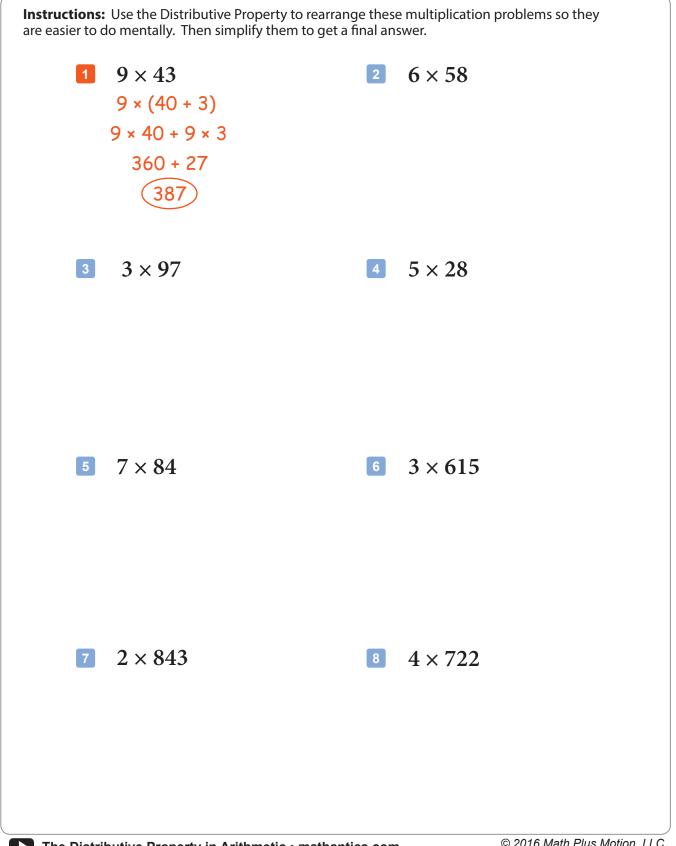
A-DPA 4





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A-DPA 5





Date:

The Distributive Property in Arithmetic

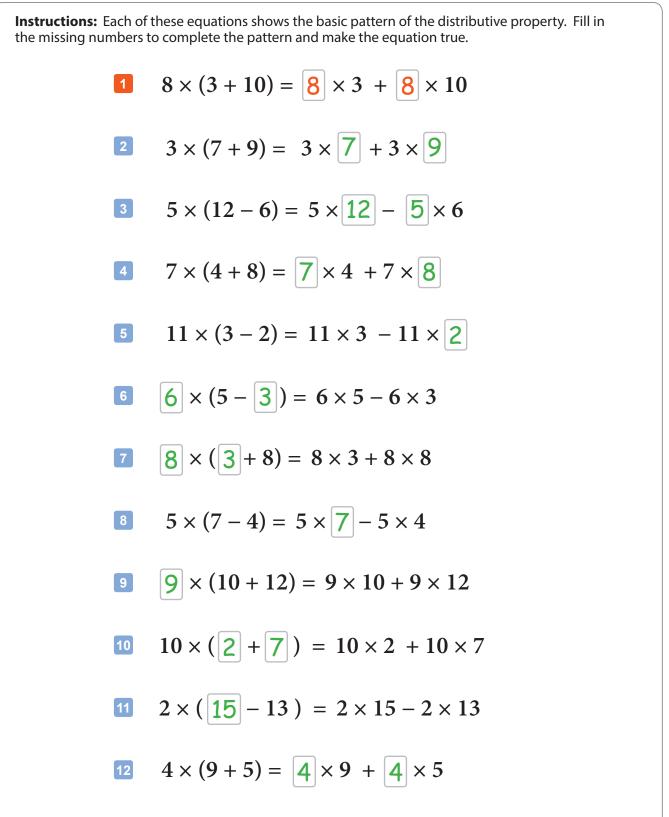
	- t - J
Fill in the blanks to make this equation true.	2 Fill in the blanks to make this equation true.
$5 \times (8+3) = \times 8 + \times 3$	$6 \times (12 - 9) = 6 \times \boxed{-6 \times }$
3 Use the Distributive Property to simplify this expression. (Show your work!)	4 Use the Distributive Property to simplify this expression. (Show your work!)
3 × (8 + 10)	7 × (11 – 5)
5 Use the Distributive Property to simplify this expression. (Show your work!) $4 \times (3 + 9 - 2)$	6 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it. 5×29
7 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it.	8 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it.
8 × 82	3 × 158
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Date:

A-DPA 1

The Distributive Property Pattern





Date:

Simplifying Expressions Two Different Ways

Instructions: Simplify each expression two different ways. In the first way, simplify what is inside the group first. In the second way, use the distributive property to eliminate the group. You should get the same answer both ways. Be sure to show your work! Way 1: Group First Way 2: The Distributive Property $5 \times (8 + 2)$ $5 \times (8 + 2)$ 5×10 $5 \times 8 + 5 \times 2$ 40 + 1050 50 same answer both ways $3 \times (7 + 5)$ $3 \times (7 + 5)$ 2 $3 \times 7 + 3 \times 5$ 3×12 21 + 1536 36 $10 \times (12 - 4)$ $10 \times (12 - 4)$ 3 10×8 $10 \times 12 - 10 \times 4$ 120 - 40 80 80 $6 \times (2 + 5 + 1)$ $6 \times (2 + 5 + 1)$ 4 6 × 8 $6 \times 2 + 6 \times 5 + 6 \times 1$ 12 + 30 + 648 42 + 648 5 $4 \times (10 - 3 + 2)$ $4 \times (10 - 3 + 2)$ $4 \times 10 - 4 \times 3 + 4 \times 2$ $4 \times (7 + 2)$ 40 - 12 + 84 × 9 28 + 836 36

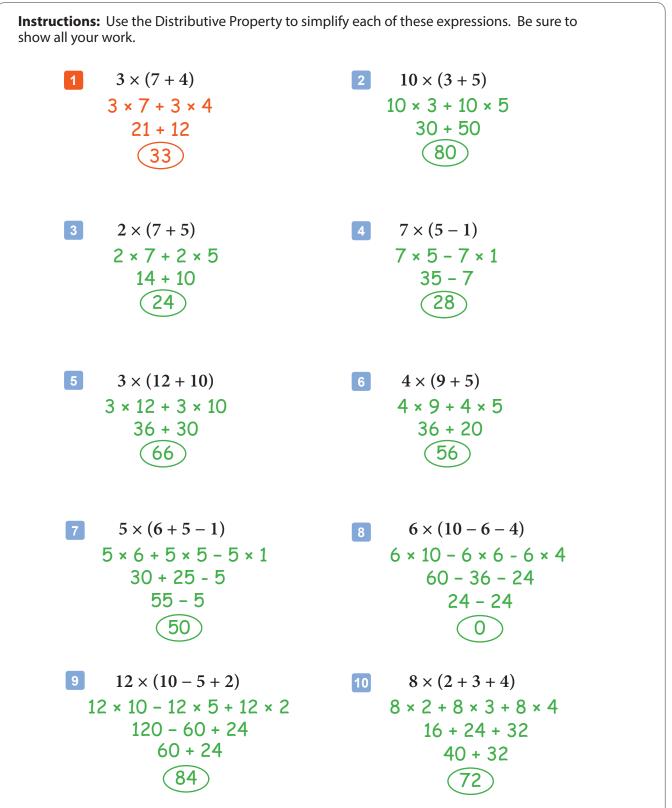


Math Antics[®] Worksheets Name:

Date:

Simplifying Expressions with the Distributive Property

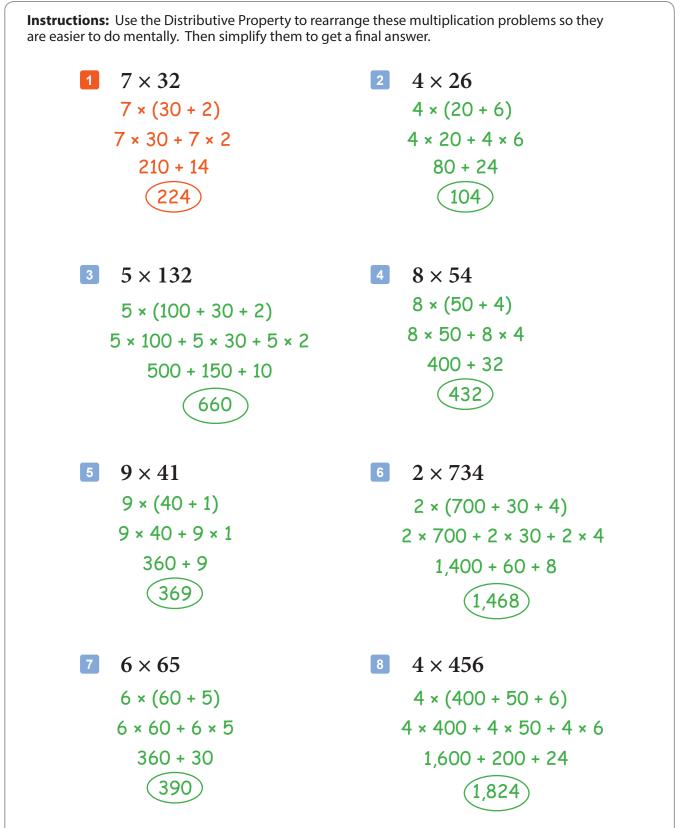
A-DPA 3



Math Antics[®] Worksheets Name:

Date:

A-DPA 4

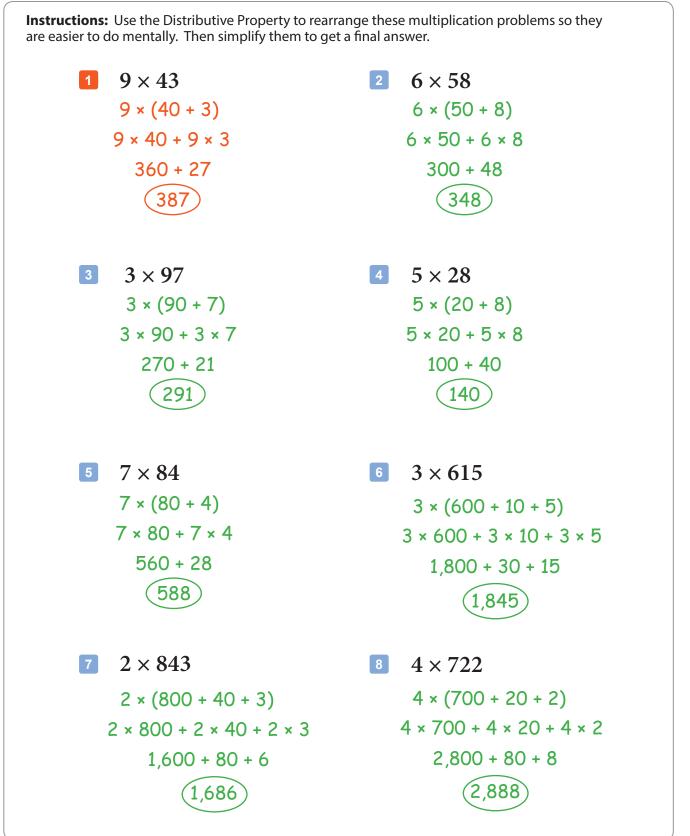


Math Antics Worksheets

Name:

Date:

A-DPA 5



math Antics[®] Exercises Name:

Date:

The Distributive Property in Arithmetic

Fill in the blanks to make this equation true.	2 Fill in the blanks to make this equation true.			
$5 \times (8 + 3) = 5 \times 8 + 5 \times 3$	$6 \times (12 - 9) = 6 \times 12 - 6 \times 9$			
3 Use the Distributive Property to simplify this expression. (Show your work!)	4 Use the Distributive Property to simplify this expression. (Show your work!)			
$3 \times (8 + 10)$	$7 \times (11 - 5)$			
3 × 8 + 3 × 10	7 × 11 – 7 × 5			
24 + 30	77 - 35			
54	42			
5 Use the Distributive Property to simplify this expression. (Show your work!) $4 \times (3 + 9 - 2)$ $4 \times 3 + 4 \times 9 - 4 \times 2$ 12 + 36 - 8 48 - 8 40	6 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it. 5×29 $5 \times (20 + 9)$ $5 \times 20 + 5 \times 9$ 100 + 45 145			
7 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it. 8×82	8 Use the Distributive Property to rearrange this multiplication problem so it is easier to do mentally. Then simplify it. 3×158			
8 × (80 + 2)	3 × (100 + 50 + 8)			
8 × 80 + 8 × 2	3 × 100 + 3 × 50 + 3 × 8			
640 + 16	300 + 150 + 24			
656	474			
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