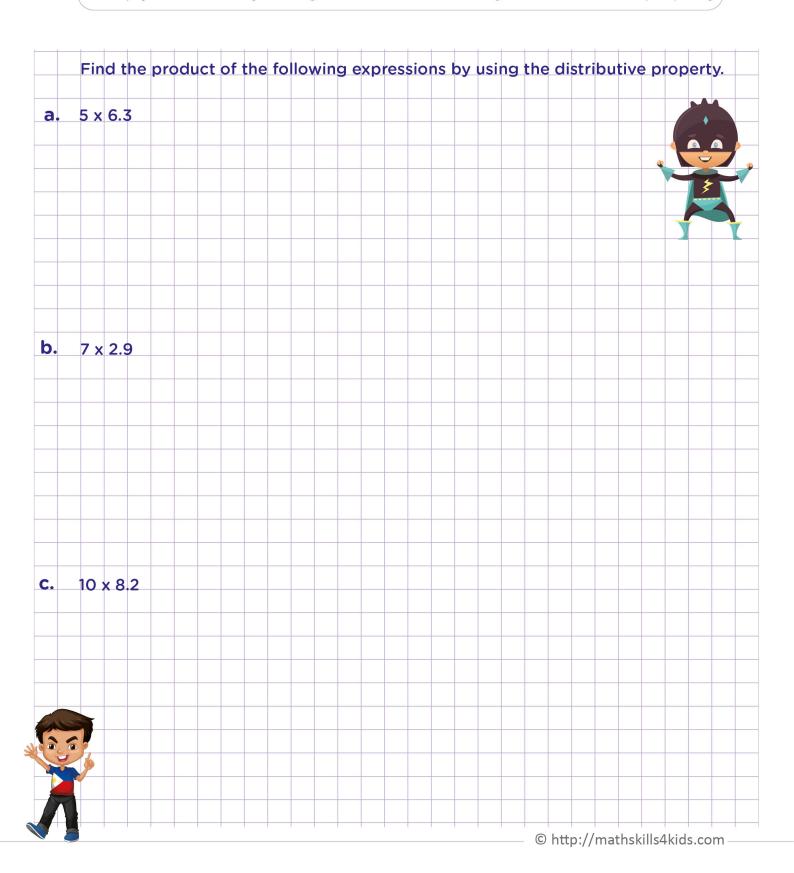


N.I.	\bigcirc I	
Name:	Class:	

Multiply a decimal by a 1 digit whole number using the distrubutive property





mathskills4kids

N.I.	\bigcirc I	
Name:	Class:	

Multiply a decimal by a one - digit whole number using the distrubutive property

	Find the product of the following expressions by using the distributive property.	
a.	5 x 6.3	
	Let's begin by seperating 6.3 in to its corresponding place values	
	6.3 = 6 + 0.3	
	Secondly, let's use the distributive property here	
	$5 \times 6.3 = 5 (6 + 0.3)$	
	$= (5 \times 6) + (5 \times 0.3)$	
	Finally, we multiply and then add to get the product.	
	30 + 1.5 = 31.5	
	So, 5 x 6.3 = 31.5	
b.	7 x 2.9	
	Let's begin by seperating 2.9 in to its corresponding place values	
	2.9 = 2 + 0.9	
	Secondly, let's use the distributive property here	
	$7 \times 2.9 = 7 (2 + 0.9)$	
	$= (7 \times 2) + (7 \times 0.9)$	
	Finally, we multiply and then add to get the product.	
	14 + 6.3 = 20.3	
	So, 7 x 2.9 = 20.3	
c.	10 x 8.2	
C.	Let's begin by seperating 8.2 in to its corresponding place values	
	8.2 = 8 + 0.2	
	Secondly, let's use the distributive property here	
	10 x 8.2 = 10 (8 + 0.2)	
	$= (10 \times 8) + (10 \times 0.2)$	
	Finally, we multiply and then add to get the product.	
a	80 + 2 = 82	
No.	So, 10 x 8.2 = 82	