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DISTRIBUTIVE PROPERTY WORKSHEET - 3

- 1) Use the distributive property of multiplication to multiply $9x$ and $4y + 3$.
- 2) Mia is running with a speed of ' $x+3$ ' miles per hour. Find the distance travelled by her in 2 hours.



- 3) Find the product of $5x - 8$ and -2 using distributive property of multiplication.
- 4) Choose the property of multiplication used in $-2(3y - 1) = -6y + 2$.
 - a) Associative property
 - b) Commutative property
 - c) Distributive property
- 5) Solve for z : $6(z - 1) + 2 \times (z - 2) = 14$
- 6) Multiply $(-2y + x)$ with the expression $(-2x - y)$ and combine the like terms.
- 7) Fill the missing variable: $xy \times (4x + 1) = 4x^2 \underline{\hspace{1cm}} + xy$
- 8) Multiply $(x + 2y)$ with the expression $(-y - 2x)$ and combine the like terms

9) Fill in the blank with missing number in the product of $(x + 3)$ and $(x - 2)$.

$$(x + 3) \times (x - 2) = x^2 + __x - 6$$

10) Multiply -4 and $3x - 2$ using distributive property of multiplication.



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in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

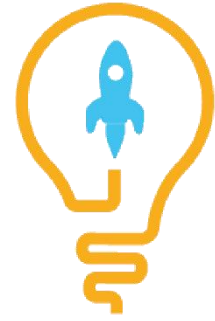
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	$36xy + 27x$
2)	$2x + 6$
3)	$-10x + 16$
4)	c) Distributive property
5)	3
6)	$2y^2 - 2x^2 + 3xy$
7)	y
8)	$-2y^2 - 2x^2 - 5xy$
9)	1
10)	$-12x + 8$

FUN FACT

1. The product of any number and one is always equal to the number itself.
2. The number 1 is called the multiplicative identity.
3. Changing the order of factors do not change the value of the product.

