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Adding and Subtracting Monomials Worksheet-4

- 1) Find the difference between $13mn$ and $34nm$.
- 2) Add the given three monomials.
 $10x^8$, $29x^8$ and $-283x^8$
- 3) If the length of a rectangle in terms of b is $37b^2$, and its width is $11b^2$, what is the perimeter of this rectangle?
- 4) Subtract $3030x^3y^5z$ from $28378x^3y^5z$.
- 5) Subtract $209a^2b^2$ from $1080(ab)^2$.
- 6) Six friends went to a restaurant for dinner. If the total bill amount is of $\$92zy$ and five of the friends paid $\$53yz$, find the amount that the sixth person has to pay?
- 7) Simplify: $21pq - 45pq + 77p^2 + 33p^0 - 28p^2$
- 8) Find the sum when $345abc$ is added to $543abc$.
- 9) Fill in the blank:
$$\left(\frac{7}{8}p^2 - \frac{1}{2}p^2\right) + \left(\frac{4}{3}pq - \frac{1}{12}pq\right) = \underline{\hspace{2cm}}$$
- 10) Fill in the blank:
$$\left(\frac{12}{14}m^2 - \frac{1}{21}m^2\right) - \left(\frac{1}{4}mn + \frac{1}{6}mn - \frac{1}{5}mn\right) = \underline{\hspace{2cm}}$$

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"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."

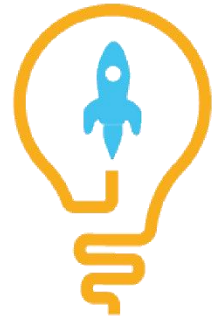
- Kirk Riley

"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)	$21mn$
2)	$-244x^8$
3)	$96b^2$
4)	$25348 x^3y^5z$
5)	$871 a^2b^2$
6)	$\$39yz$
7)	$-24pq+49p^2+33$
8)	$888abc$
9)	$\frac{3}{8}p^2 + \frac{5}{4}pq$
10)	$\frac{17}{21}m^2 - \frac{13}{60}mn$

FUN FACT

1. We can only add or subtract two or more like terms while adding or subtracting monomials.
2. Like terms are those that have the same variables raised to the same power.
3. Monomial is a polynomial that has only one term.

