

Worksheet

- State whether true or false.
 - The difference between y and x when $y < x$ is written as $x - y$.
 - The sum of three times x and five times y is written as $5x + 3y$.
 - For any literal, its multiplication with zero is always zero.
 - x divided by 4 is written as $\frac{4}{x}$.
- Write all the terms of the following expressions:
 - $xyz^2 + 3xyz - 9y^2$
 - $a^3 - b^3 + 3abc$
 - $\left(\frac{x^3}{3}\right) + x^2 + 2xy^2$
- If Heena's present age is x years, write her age
 - 3 years back
 - two years from now
 - five years from now
- Seema has x flowers with her.
 - How many flowers will each of her friends have, if she decides to divide them equally among five of them?
 - How many will be left with her, if she gives 10 flowers to Reema?
 - How much she has to pay, if each flower costs ₹ 2?
- Vijay and Sanjay start driving their cars from two towns at the same time coming towards each other. If Vijay drives for 3 hours at a speed of x km/h and Sanjay drives for 4 hours at the speed of y km/h, what is the total distance?
- Hema has ₹ 100 with her. She purchases two ribbons costing ₹ x per piece and y flowers costing ₹ 4 per piece, how much money would be left with her?
- If the maximum marks for an examination are x marks and Tina, Ina and Nina scored $\frac{x}{2}$, $\frac{x}{4}$ and $\frac{x}{6}$ marks, respectively, what is the total of their marks?
- If y is an odd number, what is the sum of the 5th number after y and 3rd number before y ?
- Group the like terms, if any, from the following terms.
 - $3x^2y^2, 5xy^2, 4x^2y, 8x^2y^2, xy^2, 7x^2y$
 - $3mn^2, 5x^2n^3, 4m^2n$
- The length of a rectangle is $\frac{1}{5}$ th of its breadth. Find its area and perimeter.
- Suresh has x books. Hemant has twice the number of books as Suresh has, and Naresh has 3 more books than Suresh has. How many books do they have in total?
- Write the degree of each polynomial and the sum of their degrees.
 - $3x^3 + 2x^2 + 5$ and $4y + 5y^4 + y^2$
 - $15p^6 + 2p + 8p^9$ and $3n^3 + 6n^7$
 - $l + 2l^9$ and $4a^5 + 6a^6$
- Mr Dhanraj has ₹ y in his account. He wants to give $\frac{1}{3}$ of it to his son and $\frac{1}{6}$ of it to a charity and the rest to his daughter. What is the daughter's share?

