

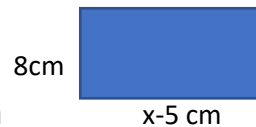
Dr. M.K.K. Arya Model School, Panipat

Maths Assignment

Class – VIII

Ch. 2 (Linear equations in one variable)

- Solve: (i) $\frac{x}{3} - 5 = 8$ (ii) $\frac{5x}{6} = x - 2$
- Solve: $7 + 2(a+1) = 8a$.
- Find three consecutive odd numbers whose sum is 45.
- Kiran is 24 years older than Rakesh. 10 years back Kiran's age was five times the age of Rakesh. Find their ages.
- The width of Sudha's garden is $\frac{2}{3}$ of its length. If its perimeter is 40 m, find its dimensions.
- The sum of three consecutive multiples of 7 is 777. Find these multiples.
- The difference between two positive integers is 50 and the ratio of these integers is 1:3. Find these integers.
- Solve: $\frac{2}{3}\left(x + \frac{3}{5}\right) = \frac{7}{2}$
- Solve: (i) $\frac{5x-7}{3x} = 2$ (ii) $\frac{3x}{4} + \frac{x}{6} = 22$
- Solve and check your answer: $2x - 3 = x + 2$
- Sum of two numbers is 10. If one exceeds the other by 12, find the numbers.
- Find three consecutive even numbers whose sum is 246.
- The ages of Ravi and Hema are in the ratio 5:7. Four years later, their ages will be in the ratio 3:4. Find their ages
- If area of given figure is $3x \text{ cm}^2$, find x .
- The denominator of a fraction is 3 more than



the numerator. If 5 is added to both parts, the resulting fraction is $\frac{4}{5}$.

Find the fraction.

- Five times a number is 55. The number is _____.
- If $2x - 2 = x + 4$, then x equals _____.
- If $\frac{x-5}{3} = \frac{x-3}{5}$, then find x .
- What should be added to $\frac{-7}{3}$ to get $\frac{3}{7}$.
- The present age of Sahil's mother is three times the present age of Sahil. After 5 years their ages will add to 66 years. Find their present ages.

