SATISH CHANDRA MEMORIAL SCHOOL
Class: VIII   Ch: 2 (Linear Equation in One Variable)
Revision -2

Solve:

1. $\dfrac{4x+8}{5x+8} = \dfrac{3}{8}$

2. $\dfrac{9x}{7-6x} = 15$

3. $\dfrac{2-7x}{1-5x} = \dfrac{3+7x}{4+5x}$

4. $0.16(5x - 2) = 0.4x + 7$

5. $x - 2x + 5 = 3 + x$

Form equation and solve:

6. In a school there are 3600 students, number of boys is twice the number of girls. Find the number of girls.

7. The sum of two numbers is 78. Their difference is 18. Find the numbers.

8. A grandfather is ten times older than his granddaughter. He is also 54 years older than her. Find their present ages.

9. A steamer goes downstream from Halisahar to Belur in 9 hours. It covers the same distance upstream in 10 hours. If the speed of the stream be 1 km/ hr, find the speed of the steamer in still water and the distance between the ports.

10. 5 years ago a man was 7 times as old as his son. After 5 years he will be thrice as old as his son . Find their present ages.

Answers

1. $x = \dfrac{-16}{5}$ 2. $x = \dfrac{-35}{33}$ 3. $x = \dfrac{1}{2}$ 4. $x = 18.3$ 5. $x = -1$

6. No of girls 1200   7. 48 and 30   8. 6 yrs and 60 years   9. 19 km/hr, 180 km

10. 40 years, 10 years

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