## **EXEMPLAR POINT** (A Complete Institute For Students)

CREATING AND SETTING EXAMPLES FOR FUTURE...

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**CREATING AND SETTING EXAMPLES FOR FUTURE...** 

### **VIII MATHS TEST**

#### LINEAR EQUATIONS IN ONE VARIABLE

#### TIME: 1 HR. MALVIYA NAGAR

- **1.** Solve : 10 a 28 = 6 7a.
- 2. Find three consecutive numbers whose sum is 234.
- The perimeter of a rectangle is 62 cm. If the length is 5 cm more than the breadth. Find length and breadth.
- 4. Solve:  $\frac{2x-1}{3} \frac{6x-2}{5} = \frac{1}{3}$
- 5.  $\frac{3t-2}{4} \frac{2t+3}{3} = \frac{2}{3} t$ .
- 6. The length of a room is two times its width. If the perimeter of the floor of the room is 70 m, find the length and width of the room.
- 7. The ages of Hari and Harry are in the ratio 5 : 7. Four years from now the ratio of their ages will be 3 : 4. Find their present ages.3
- 8. Solve for x :  $x + 7 \frac{8x}{3} = \frac{17}{6} \frac{5x}{8}$
- 9. The digit at the ten's place of a two digit number is three times the digit at | one's place. If the sum of this number and the number formed by reversing | its digits is 88, find the number.
- **10.** The numerator of a fraction is 7 less than the denominator. If 3 is added to numerator and 2 is added to denominator, the value of the fraction become

$$\frac{2}{3}$$
. Find the original fraction.

HEAD OFFICE : B-1/30, MALVIYA NAGAR PH. 26675331, 26675333, 26675334 ALSO AT : H-36 B, KALKAJI PH. : 26228900, 40601840 AND E-555, 1ST FLOOR, NEAR RAMPHAL CHOWK, SEC-7 DWARKA PH. 9560088728-29

### VIII MATHS TEST

### LINEAR EQUATIONS IN ONE VARIABLE

<b>M.M. : 30</b>	TIM	E: 1 HR.	MALVIYA NAGAR	<b>M.M. : 30</b>
2	   1.	Solve : 10 a –28	B = 6 - 7a.	2
2	2.	Find three conse	ecutive numbers whose sum is 234.	2
m more than the <b>3</b>	3. 	The perimeter o breadth. Find lea	of a rectangle is 62 cm. If the length is 5 cm ngth and breadth.	more than the <b>3</b>
3	   4. 	Solve: $\frac{2x-1}{3}$ –	$\frac{-6x-2}{5} = \frac{1}{3}$	3
3	   5. 	$\frac{3t-2}{4} - \frac{2t+3}{3}$	$t = \frac{2}{3} - t$	3
er of the floor of <b>3</b>	<b>6.</b> 	The length of a the room is 70 m	room is two times its width. If the perimeter n, find the length and width of the room.	of the floor of <b>3</b>
rs from now the <b>3</b>	7. 	The ages of Har ratio of their age	ri and Harry are in the ratio 5 : 7. Four years es will be 3 : 4. Find their present ages.	s from now the <b>3</b>
3	   8. 	Solve for x :	$x + 7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{8}$	3
imes the digit at ned by reversing 4	<b>9.</b>   	The digit at the one's place. If th its digits is 88, fi	ten's place of a two digit number is three tir he sum of this number and the number forme ind the number.	nes the digit at ed by reversing 4
If 3 is added to fraction become	10.   	The numerator of numerator and 2	of a fraction is 7 less than the denominator. I 2 is added to denominator, the value of the fr	If 3 is added to caction become
4		$\frac{2}{3}$ . Find the orig	ginal fraction.	4
5334	 	HEAD OFFICE	: : B-1/30, MALVIYA NAGAR PH. 26675331, 26675333. 26675	5334

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