

# INTERNATIONAL PRIME SCHOOL

Worksheet: Week-6; Sub: Mathematics

Class: VI

1. Express each of the following as a fraction in its simplest form.

a)  $\frac{x}{2} + \frac{2x}{5}$

b)  $\frac{a}{3} - \frac{a}{4}$

c)  $\frac{2h}{7} + \frac{h+1}{5}$

d)  $\frac{3x}{8} - \frac{x+2}{4}$

e)  $\frac{4x+1}{5} + \frac{3x-1}{2}$

f)  $\frac{3y-1}{4} - \frac{2y-3}{6}$

g)  $\frac{a-2}{4} - \frac{a+7}{8}$

h)  $\frac{3p-2q}{3} - \frac{4p-5q}{4}$

2. If  $\frac{2x+y-3z}{y+3x} = \frac{x}{2y}$ , find the value of  $z$  when  $x = 1$  and  $y = 4$ .

3. If  $\frac{v-u}{a}$ , find the value of  $a$  when  $t = 3$ ,  $v = 2\frac{1}{2}$  and  $u = 1\frac{1}{3}$ .

4. The sum of two numbers, one of which is 5 times as large as the other is 24. Find the two numbers.

5. In a science test, Devi scores 15 marks more than Lixin. If Devi obtains twice as many marks as Lixin, find the number of marks Lixin obtains.

6. The sum of one-fifth of a number and  $3\frac{7}{10}$  is 7. Find the number.

7. Solve each of the following inequalities and illustrate the solutions on a number line.

i)  $15x > 75$

ii)  $-4x \leq 16$

8. Find the smallest integer value of  $x$  that satisfies the inequality  $6x > 7$ .

## Work sheet-6

Class-VI

Science

1. Which factors are responsible for solubility?
2. Name some acid and their uses.
3. Name some alkalis along with uses.
4. Write down the properties of alkalis.
5. How will you find any aqueous solution is either an acidic or alkaline. Name some indicators.

Why does an universal indicator is significant?

6. Write difference between solutions and suspensions.
7. Write difference between an acid and an alkali.

**Week 6**  
**Geography**  
**Class VI**

**Ch: 1; Social Studies and Bangladesh**

**1. Broad Questions:**

- a. Describe the language movement of 1952?

**2. Short Questions:**

- a. Who was the founder of Pakistan?
- b. What was the mother tongue of East Pakistan?
- c. When was Liaqat Ali Khan assassinated?
- d. When was the language movement started?
- e. What was the “slogan” of language movement?

**Week 6**  
**History**  
**Class VI**

**Ch: 1; Book 2**

**1. Broad questions:**

- a) Describe the life at Versailles.
- b) What were the five main aims of philosophers?
- c) Describe the idea of freedom and justice.