

INTERNATIONAL PRIME SCHOOL

Worksheet: Week-5; Sub: Mathematics

Class: VI

1. If $k = \frac{p+2q}{3}$, find the value of p when $k = 7$ and $q = 9$.
2. If $U = \pi(r + h)$, find the value of r when $U = 16\frac{1}{2}$ and $h = 2$. (Take π to be $\frac{22}{7}$)
3. If $\frac{a}{b} - d = \frac{2c}{b}$, find the value of c when $a = 3$, $b = 4$ and $d = -5$.
4. If $\frac{1}{a} - \frac{1}{b} = \frac{1}{c} + \frac{1}{d}$, find the value of c when $a = \frac{1}{2}$, $b = \frac{1}{4}$ and $d = -\frac{1}{5}$.
5. If $N = \frac{m}{x+q}$, find the value of q when $N = 1\frac{4}{5}$, $m = 9$ and $x = 2$.
6. If $\frac{b}{c-b}$, find the value of b when $a = 3$ and $c = 10$.
7. If $\frac{m(nx^2-y)}{z} = 5n$, find the value of n when $m = 6$, $x = -2$, $y = -3$ and $z = -5$.
8. i) Find a formula for the sum S of any three consecutive odd numbers.
ii) Hence, find the value of S when the greatest odd number is -101 .
9. i) Find a formula for the sum S of any three consecutive even numbers.
ii) Hence, calculate the value of S when the smallest even number is 14 .
10. x° , y° and z° are three angles lying on a straight line.
 - a) if $y^\circ = x^\circ + z^\circ$, find the value of y .
 - b) If $x^\circ = y^\circ = z^\circ$, find the value of z .

11. x° , y° and z° are three angles lying on a straight line.

a) If $y^\circ = 45^\circ$ and $z^\circ = 86^\circ$, find the value of x .

b) If $x^\circ = 2y^\circ$ and $z^\circ = 3y^\circ$, find the value of y .

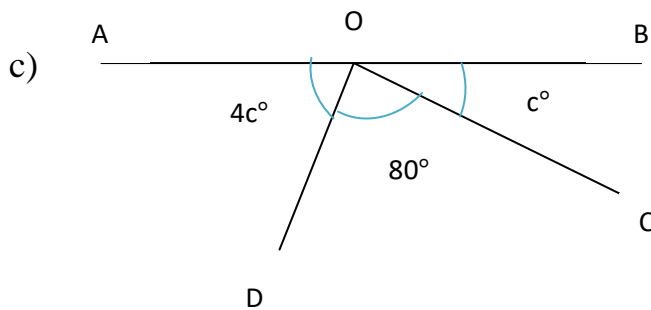
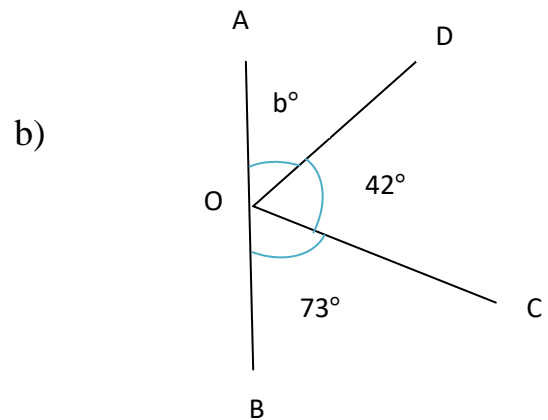
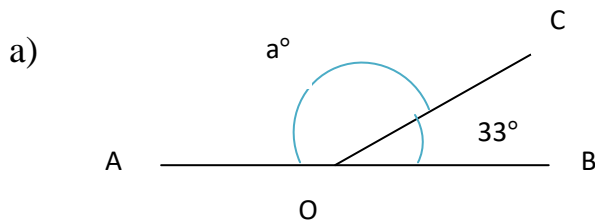
12. Find the complementary angle of each of the following angles.

a) 18° b) 46° c) 53° d) 64°

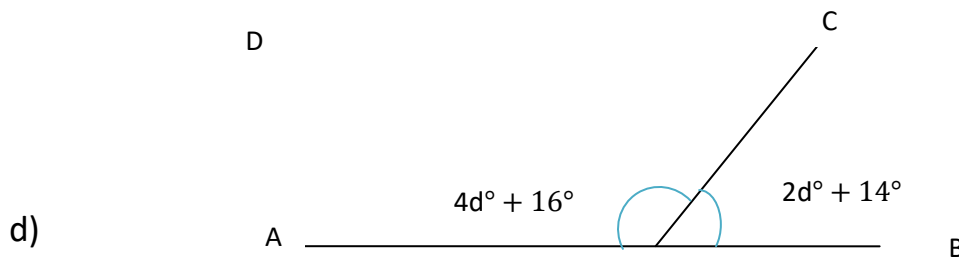
13. Find the supplementary angle of each of the following angles.

a) 36° b) 12° c) 102° d) 171°

14. Given AOB is a straight line, find the value of the unknown in each of the following figures.



(Diagram not accurately drawn)



INTERNATIONAL PRIME SCHOOL

Class: VI, Sub: ICT

Worksheet: 05

1. Fill in the blanks.

- (a) _____ is used to unconditionally transfer the control from one point to another in a QBASIC program.
- (b) The _____ clause in a FOR statement allows us to increment the counter variable by any value.
- (c) DO...WHILE repeats a block of statements while a condition is _____.
- (d) To break an infinity loop we hold down the _____ key _____ and press the _____ key.
- (e) An accumulator is normally initialized to _____.

2. Answer the following.

- (a) What is MOD operator? Gives its Syntax.
- (b) Difference between selection and looping statements. Give two examples for each.

3. Write programs to do the following.

- (a) Program to display the rating of a movie.
- (b) Program to print the day of the week.
- (c) Program to identify a 'Password'.
- (d) Program to print employee name and salary.

Work sheet-5

Class-VI

Science

1. List the factors that affect the solubility of a substance. Describe how each factor affects the solubility of that substance.
2. Name some an alkalis along with uses.
3. Write down the properties of an alkalis.
4. How will you find an aqueous solution is either an acidic or an alkaline. Name some indicators.
5. Why does an universal indicator is significant?
6. Name some natural indicators.
7. Differentiate between solutions and suspensions.

Week 5
Geography
Class VI

Ch: 7

- a) How many types of pollutant are there?
There are three types of pollutant.
- b) Name the pollutants in Mediterranean sea.
Household, Agricultural, Industrial.
- c) Why is pollution deadly in Mediterranean sea?
Because there is no tide in Mediterranean sea.
- d) Name the Mediterranean Countries.
Italy, Spain, Turkey, Malta, Cyprus, Tunisia, Morocco, Algeria.
- e) Which organization is working to protect Mediterranean wildlife?
World Wide Fund for Nature
- f) Which one is the most responsible factor for Mediterranean pollution?
Tourism is the most responsible factor for Mediterranean pollution.
- g) Can environment and tourism work together?
environment and tourism can work together through sustainable environmental management.

Diagram

Draw a map of Mediterranean countries

Week 4
History
Class VI

Ch: 1; Book 2

1. Broad questions:

- a) Describe the “Bill of rights” .
- b) Describe the treaty of Westphalia.
- c) How did France control in mid-17th century in Europe?

2. Short Notes:

- a) Write a short note on “Bloodless Revolution”.