

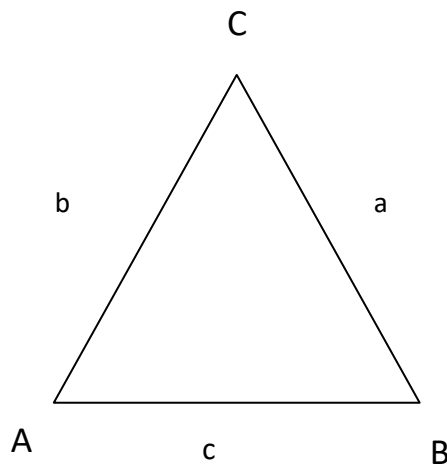
INTERNATIONAL PRIME SCHOOL

Worksheet: Week-3; Sub: Mathematics

Class: VIII

1. In ΔPQR , $\angle P = 75^\circ$, $\angle Q = 60^\circ$ and $q = 14\text{ cm}$. Find the length of the longest side.

2. For each of the following triangles ABC , find the unknown angles and sides.

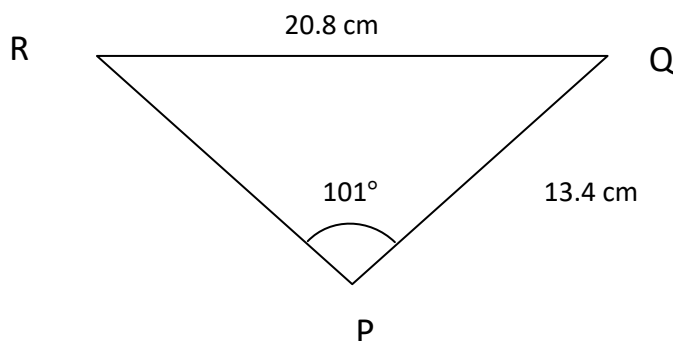


a) $\angle A = 92.0^\circ$, $b = 6.93\text{ cm}$ and $a = 15.3\text{ cm}$

b) $\angle B = 98.0^\circ$, $a = 14.5\text{ m}$ and $b = 17.4\text{ m}$

c) $\angle C = 35.0^\circ$, $b = 8.7\text{ cm}$ and $c = 9.5\text{ cm}$

3. In ΔPQR , $\angle P = 101^\circ$, $PQ = 13.4\text{ cm}$ and $QR = 20.8\text{ cm}$. Find



(Diagram not accurately drawn)

i) $\angle R$

ii) $\angle Q$

iii) the length of PR .

4. In $\triangle ABC$, $\angle ABC = 91^\circ$, $BC = 7.4$ cm and $AC = 11.6$ cm. Find

i) $\angle BAC$ ii) $\angle ACB$ iii) the length AB .

5. Reduce to lowest terms:

i) $\frac{x^4+8x}{x^2y-2xy+4y}$

ii) $\frac{x^3-1}{x^2-1}$

iii) $\frac{x^4-a^4}{(x+a)(x^3-a^3)}$

iv) $\frac{a^4-2a^2b^2}{a^4-4a^2b^2+4b^4}$

v) $\frac{x^3-27y^3}{x^2-9y^2}$

vi) $\frac{x^4+2x^2y^2+y^4}{x^4-y^4}$

vii) $\frac{2x^4-4x^3y+8x^2y^2}{2x^4+16xy^3}$

viii) $\frac{x^6-a^6}{(x^2-a^2)(x^3-a^3)}$

ix) $\frac{(x+y)^3(x^2-y^2)}{(x^3+y^3)(x+y)^2}$

x) $\frac{x^2-x+1}{x^3+1}$

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Class: VIII, Sub: ICT

Worksheet: 03

1. Which one of these is not provided by banks as an online service?
 - (a) Paying in checks
 - (b) Transferring money
 - (c) Viewing an account's balance
 - (d) Applying for a loan

2. Write short notes.
 - (a) Session cookies
 - (b) President cookies
 - (c) Third-Party cookies

3. State two ways in which education provides can use online services to help learners.

4. State three features of shopping sites.

5. Explain why auction sites provide ratings for buyers.

6. Explain the benefits of e-ticketing for airlines flights.

7. State the way in which news services can use a feature of smartphone apps to keep users up to date.

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Week 3

Geography

Class VIII

Ch: 16

- a. What is plate Movement?
Plate movement is the movement of earth's crust.
- b. How many types of plate movement are there?
There are four types of plate movement.
- c. What is earthquake?
Earthquake is the sudden movement of earth.
- d. What is epicenter?
Epicenter is the origin of earthquake under earth's surface.
- e. What are the steps for earthquake management?
Prediction, Preparation, Evacuation and Monitoring are the steps for earthquake management.
- f. Where did Merapi hazard occur?
Merapi Hazard occurred in Indonesia.
- g. Why is population concentration high in nearby areas of Merapi hazard?
Abundant natural resources attract more people in nearby areas of Merapi hazard.
- h. What are plate tectonics?
Earth's crust is divided into several plate boundaries which are called plate tectonics.
- i. What is prediction?
Prediction is forecasting the hazard information.
- j. What is evacuation?
Evacuation is moving people from hazardous area to a safe place during emergency situation.
- k. Where did Mount Pintabo Volcano occur?
Mount Pintabo Volcano occurred in Phillipine.
- l. Which place on earth is the most vulnerable to volcanic eruption?
'Ring of Fire' is the most vulnerable place on earth to volcanic eruption.
- m. Where is 'Ring of Fire' located?
' Ring of fire' is located in Pacific ocean.

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Week 3

History

Class VIII

Learn and write the question answer.

Ch: 15

- a) Who were Peasants?
Peasants were the working class of Chinese society. They were extremely poor and they did not have their own lands.
- b) Who were landlords?
Landlords were the owner of land and they used to give their lands to peasants.
- c) Who were Mandarins?
Mandarins were Chinese rulers who occupied China at the 20th Century.
- d) What was the Mandarin's sign?
The Mandarin's used to keep a pigtail on their neck which is known as their sign.
- e) Who were the rulers of China before Mandarin?
The rulers of China were landlords before Mandarin,
- f) Who was Sun Yatsen?
Sun Yatsen was a communist leader.
- g) What was 'Double Tenth'?
Double Tenth was the 10th October of 1912 when Sun Yatsen returned to China.
- h) Who were Nationalists?
Sun Yatsen and his followers were Nationalists.
- i) Why were Chinese people isolated themselves?
Chinese people thought that they were superior and they did not increase communication with outside world.
- j) What was the condition of China at the beginning of 20th century?
China was a underdeveloped and uncivilized country at the beginning of 20th century.

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Week 3

Bangladesh Studies

Class VIII

Learn and write the question answer.

Ch:2.1.2

1. Short Questions:

What is Life expectancy?

What is infant mortality rate?

What is natural increase?

What are the causes of falling death rate in Bangladesh?

2. Diagram:

Diagram of the components of population change.

Ch: 2.1.3

1. Describe and Analyse:

a) Draw a diagram of age-sex pyramid.

b) Explain the characteristics of diagram.

2. Short Questions:

a) What is population structure?

Ch: 2.1.4

1. Short Questions:

a) What is population density?

b) What is the current population density of Bangladesh?

2. Broad Questions:

a) What are the factors that affect population density?

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Work sheet-3

Class-VIII

Biology

1. Write down the full meaning of the following.

- a) CITES
- b) WWF
- c) IWC
- d) NCC
- e) ASSIs
- f) SACs

2. List some animals which are extinct.

3. How can we protect our animals and plants which are going to be extinct?

4. Describe about some international initiatives for conservation of endangered species.

5. How can we save non-renewable resource.

6. Write short note on "Recycling?"