Cosmo School

Prepared By Mahbuba Jahan Mollika

(Assistant Teacher-Main Campus)

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Subject: Islam & Moral Education   *Day: Sunday*

Chapter-5   ## Worksheet-9

LESSON 16

Al-Khawarizmi

Short questions

1) Write the full name of Al-Khawarizmi.
2) Where did Al-Khawarizmi born?
3) Which Muslim scholar is called the father of Mathematics?
4) Who is the inventor of Aljebra?
5) Write the name of the famous book of Al-Khawarizmi.
6) How many examples did he accumulate in his book?
7) Who evolved sis formulas of solving equations?
8) Which book is translated in Latin and read in the European universities from the 12th century C.E.?
9) Al-Khawarizmi wrote which book on arithmetic?
10) Who followed Al-Khawarizmi's work?

Broad Question

- Write the contribution of Al-Khawarizmi on Mathematics.

Hasan Ibn Haitham

Short questions

1) Which Muslim scholarwas an ophthalmologist?
2) How many books did Hasan Ibn Haitham write?
3) Which book immortalized Hasan Ibn Haitham?
4) Which book is the only book in the middles ages on science of light?
5) Who followed Hasan Ibn Haitham for their research?
6) Who refuted the wrong conception of the Greeks on the refraction and reflection of the sight?
7) What did Hasan Ibn Haitham prove about sight?

8) Who invented the magnifying glass?
9) Who is the first to present gravitation in his book?

Broad Question

- Write the contribution of Hasan Ibn Haitham on Mathematics.

Umar Khaiyyam.

Short questions

1) Who is the Mathematician of the first rate?
2) What is the immortal work of Umar Khaiyyam?
3) Who brought extra ordinary advancement in Aljebra?
4) Who discussed about the cubic equation?
5) Who gave the definitions of the equations of Aljebra?
6) Which mathematician had more skills than the Greeks?

Broad Question

- Write the contribution of Umar Khaiyyam on Mathematics.

Nasiruddin Tusi.

Short questions

1) Where did Nasiruddin Tusi born?
2) How many books did Nasiruddin Tusi write?
3) Nasiruddin Tusi wrote books on which fields?
4) Who separated trigonometry from astrology?
5) Who discussed plain and circular Trigonometry?
6) Who wrote 'The middle books between Geometry and Astronomy'?
7) Who wrote 'Summary of the whole of computation with table and earth'?
8) Write the name of the 2 books of Nasiruddin Tusi
9)

Broad Question

- Write the contribution of Nasiruddin Tusi on Mathematics.

Creative Question

> Describe the Muslim contribution on Mathematics.