

BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

CLASS: VIII

SUBJECT: MATHEMATICS

REVISION ASSIGNMENT

Q.1 The diagonals of a rhombus are 12cm and 16cm. The area of the rhombus is

a)  $192\text{cm}^2$

b)  $48\text{cm}^2$

c)  $96\text{cm}^2$

d)  $56\text{cm}^2$

Q.2 If the three angles of a quadrilateral are  $100^\circ$ ,  $50^\circ$  and  $50^\circ$  respectively, the fourth angle is

a)  $140^\circ$

b)  $120^\circ$

c)  $100^\circ$

d)  $160^\circ$

Q.3 A swimming pool is of dimensions 25m x 10m x 3m. The water is filled up to a depth of 2.5 metres. What is the quantity of water in the pool in kl and l.

Q.4 A milk container is 8cm long and 50cm wide. What should be the height of the container so that it can hold 4 litres of milk.

Q.5 Find the maximum length of a pencil that can be kept in the rectangular box of length 12cm, breadth 9cm and height 8cm.

Q.6 The sum of two opposite angles of a parallelogram is  $160^\circ$ . Find all the angles of the parallelogram.

Q.7 Factorise:  $32x^2 + 48x + 18$

Q.8 Find the least number which must be added to 893304 to make it a perfect square.