

Date _____
Page _____

Jender Heart High School, Sec.-33 B chd.

Class: VIII

Teacher: Deepu

Subject: Mathematics

Revision Questions

(Ch-15: linear equations, Ch-16: linear Inequations,
Ch-27: Probability, Ch-25: Statistics, Ch-23:
Perimeter and Area, Ch-24: Volume and Surface area)

Quest 1: a) Solve the given equations:

(i) $2x - 19 = 3x + 41$

(ii) $\frac{5}{x+2} - \frac{3}{x-2} = \frac{2}{x}$

(iii), The age of a mother today is thrice that of her daughter. After 12 years, the age of the mother will be twice that of her daughter. find the present age of the daughter.

Quest 2: Solve the given inequations and represent each solution set on the number line

(i) $9x - 8 > -17$

(ii) $10 - 2(1 + 4x) < 20$

(iii) $3(3x + 1) \leq 4(5x - 2), x \in \mathbb{N}$

Quest 3: Complete the table given below:

Class - Interval	class-limits		class-size	class-mark	Class boundaries	
	Lower	upper			Lower	Upper
40 - 50						
50 - 60						
60 - 70						
70 - 80						

Class: VIII

classmate

Date

Page

Subject: Mathematics

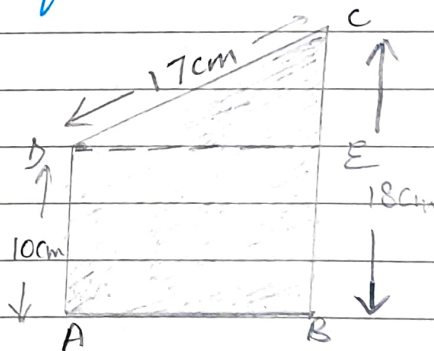
Teacher: Deepthi

- Quest 4. a) Two coins are tossed simultaneously. Find - the probability of getting
- (i) no head
 - (ii) at least one tail
 - (iii) three head
 - (iv) exactly one tail

- Quest 5. a) The length of a rectangle is 48m and breadth of a rectangle is 28m. find the cost of levelling it @ ₹4.50 per m^2

- b) A square field has an area of 1.96 acres. Find the cost of putting a fence around it at ₹20.75 per m.

- Quest 6. a) Find the area of the given figure:



- b) Find the area and perimeter of the semicircle whose radius is 7cm.

- c) If the circumference of a circle is 352m, find the area of the circle.

- Quest 7. a) Find the length of the longest pole that can be placed in a room 12m long, 8m broad and 9m high.
- b) The surface area of a cube is $1176cm^2$. Find its volume
- X—————X—————