LIVE WORKSHEET 1
CLASS 10

Q18 (i) A MINIATURE MODEL of a ROYAL ENFIELD CLASSIC GREY is made on the scale of 1:12. The real bike is 216cm long. What is the length of the MINIATURE MODEL?

REAL BIKE	Miniature MODEL

- 12cm
- 16cm
- 18cm
- 21.6cm

Q18. (ii) If height of the MINIATURE MODEL is 91mm. Then what is the height of the REAL BIKE. (Scale Ratio is 1:12)

- 91cm
- 1025mm
- 1092mm
- 108cm

Q18. (iii) If two triangles have a scale factor 3:5. Which statement regarding the two triangles is true?

- The Ratio of their perimeters is 15:5
- Their altitudes have ratio 9 : 5
- Their Medians have a ratio 3:5
- Their angle bisectors have a ration 9 : 25

Q18 (iv). Shadow of a 6ft tall poll is 3ft. Then what is the height of Water tank if its shadow is 10m long.

- 20ft
- 20m
- 10ft
- 10m

Q18. (v) What will effect the similarity of any two polygons?

- They are flipped horizontally
- They are dilated by a scale factor
- They are mirror images of each other
- One of the sides of one Triangle is stretched.