

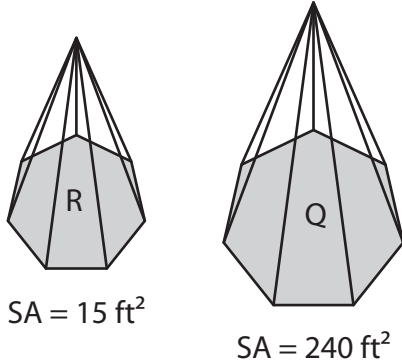
Name : _____

Scale Factors

Sheet 1

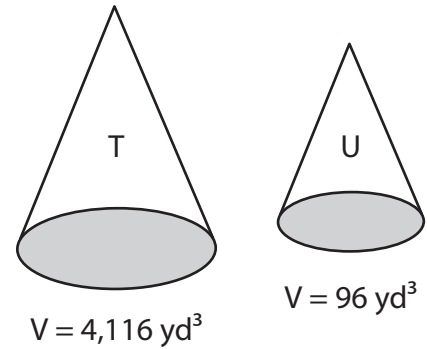
Each pair of figures is similar. Find the scale factor. (SA denotes Surface Area and V denotes Volume)

1)



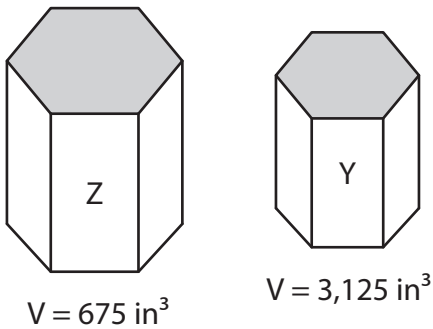
Scale factor of R to Q is _____

2)



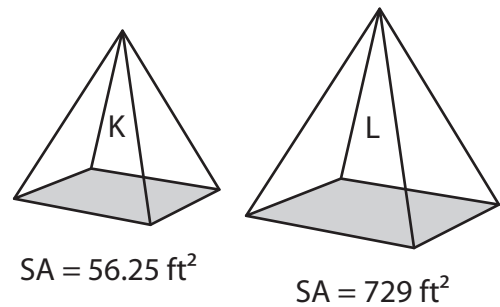
Scale factor of T to U is _____

3)



Scale factor of Y to Z is _____

4)



Scale factor of L to K is _____

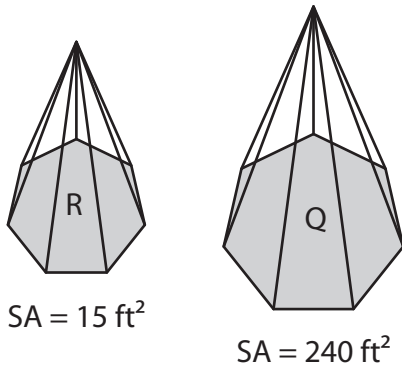
- 5) The surface areas of cubes B and C are 158.76 square inches and 2.25 square inches respectively. What will be the scale factor of C to B?

- 6) M and N are similar triangular pyramids. Their corresponding volumes are 4,000 cubic yards and 6,912 cubic yards. Determine the scale factor of N to M.

Scale Factors

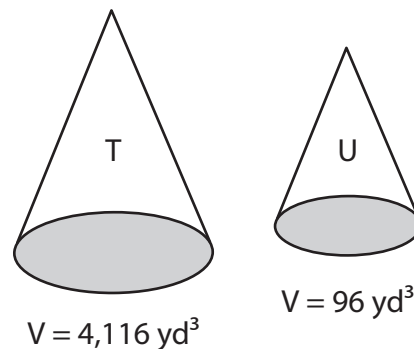
Each pair of figures is similar. Find the scale factor. (SA denotes Surface Area and V denotes Volume)

1)



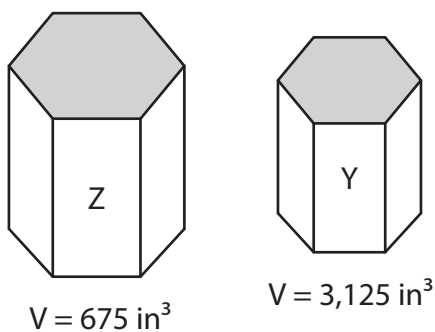
Scale factor of R to Q is 1:4

2)



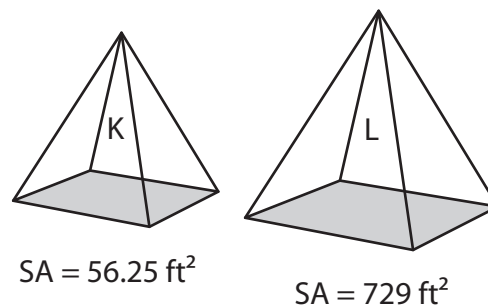
Scale factor of T to U is 7:2

3)



Scale factor of Y to Z is 5:3

4)



Scale factor of L to K is 2.5:9

- 5) The surface areas of cubes B and C are 158.76 square inches and 2.25 square inches respectively. What will be the scale factor of C to B?

0.5:4.2

- 6) M and N are similar triangular pyramids. Their corresponding volumes are 4,000 cubic yards and 6,912 cubic yards. Determine the scale factor of N to M.

6:5