

**Comparing Quantities: Worksheet -8**

1. If 75% of a number is 6, then what percentage of that number is 1?
2. If  $\left[\frac{3}{8} \text{ of } x\right]\%$  is  $\frac{3}{4}$ , then find x.
3. If  $A:B = 4:6$  and  $B : C = 3 : 4$ , then by what percentage is C more than A.
4. If A is 20% more than C and B is 60% more than C, then A is what percentage of B?
5. The number of enrolments in a school has increased from 1800 to 2016. the percentage increase in the enrolments is ? [      ]  
[A] 10 %      [B] 11 %      [C] 12 %      [D] 13 %
6. A number K, when decreased by 20% becomes 136. What is the value of K? [      ]  
[A] 160      [B] 150      [C] 170      [D] 140



7. If Ram's salary went up by 25%, then by what percent should it be brought down to bring it to its initial value? [       ]
- [A] 25 %       [B] 20 %       [C] 33.33%       [D] 37.5%
8. The length of a rectangle is increased by 10% while its breadth is decreased by 10%. What is the consequent percentage change in the area of the rectangle? [       ]
- [A] 1 % increase       [B] 10 % increase
- [C] 10 % decrease       [D] 1 % decrease
9. By what percent will the area of a square change if its side is increased by 10%? [       ]
- [A] 10 % increase       [B] 20 % increase
- [C] 10 % decrease       [D] 21 % increase
10. The side of square ABCD is 20% longer than the side of square PQRS. By what percentage is the area of ABCD more than the area of PQRS? [       ]
- [A] 20%       [B] 24%       [C] 40%       [D] 44 %

