So, required number is $\left(\frac{3}{5} \times 255\right) = 153$

Q.34) A Salesman charges sales tax of x% up to Rs.3,000 and above it he charges y%. A customer pays a total tax of Rs 180, when he purchases goods worth Rs. 7,000 and he pays the total tax of Rs. 420 for the goods worth Rs. 15,000. The value of x and y is:
a) 4, 6
b) 2, 3
c) 1, 4
d) 2, 4

Ans) b
Exp) $\frac{3000\times x}{100} + \frac{4000\times y}{100} = 180 \Rightarrow 3x + 4y = 18 \ldots\ldots\ldots (1)$
$\frac{3000\times x}{100} + \frac{12000\times y}{100} = 420 \Rightarrow 3x + 12y = 42 \ldots\ldots\ldots\ldots (2)$
Solving (1) and (2) we get x = 2, y = 3

Q.35) Find % change in the breadth of a rectangle if the length of a rectangle is doubled and the area remains fixed.
a) $66\frac{2}{3}\%$
b) 50%
c) 100%
d) 200%

Ans) b
Exp) Area of rectangle = $length \times breadth$ (fixed)
% change in breadth = $\frac{\%\ change\ in\ length}{100+\%\ change\ in\ length} \times 100 = \frac{100}{200} \times 100 = 50\%$

Directions (Q.36 – Q.38): Eight persons M through T are standing in such a way that O is 20 m apart from N towards West, N is 30 m South with respect to M. M is 40 m towards West with respect to Q. P is 50 m towards South with respect to Q. R is 15 m apart from S towards North. T is 20 m towards East with respect to S. R is 40 m towards West with respect to P.

Q.36) In which direction is Q standing with respect to R?
a) North-West
b) North
c) North-East
d) Cannot be determined

Ans) c
Exp)