29. Tally marks are used to find

(a) Class intervals (b) Range

(c) Frequency (d) Upper limit

30. Upper limit of class interval 75 –85 is

(a) 10 (b) –10 (c) 75 (d) 85

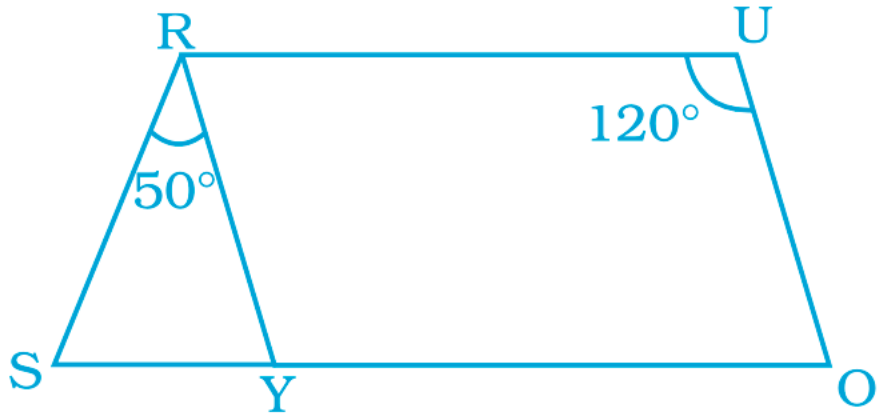
31. Numbers 1 to 5 are written on separate slips, i.e one number on one slip and put in a box. Wahida pick a slip from the box without looking at it. What is the probability that the slip bears an odd number?

(a) $\frac{1}{5}$ (b) $\frac{2}{5}$ (c) $\frac{3}{5}$ (d) $\frac{4}{5}$

32. A glass jar contains 6 red, 5 green, 4 blue and 5 yellow marbles of same size. Hari takes out a marble from the jar at random. What is the probability that the chosen marble is of red colour?

(a) $\frac{7}{10}$ (b) $\frac{3}{10}$ (c) $\frac{4}{5}$ (d) $\frac{2}{5}$

150. In the given parallelogram YOUR, $\angle RUO = 120°$ and OY is extended to point S such that $\angle SRY = 50°$. Find $\angle YSR$.



73. The mass of an aluminium rod varies directly with its length. If a 16 cm long rod has a mass of 192 g, find the length of the rod whose mass is 105 g.

74. Find the values of x and y if a and b are in inverse proportion:

a. 12 x 8

b. 30 5 y

find the value of n.

118. $\dfrac{6^n}{6^{-2}} = 6^3$

119. $\dfrac{2^n \times 2^6}{2^{-3}} = 2^{18}$

82. Subtract :

(vi) $7p\,(3q + 7p)$ from $8p\,(2p - 7q)$

81. Add:

(vii) $3a\,(2b + 5c)$, $3c\,(2a + 2b)$

52. $\dfrac{8}{x} = \dfrac{5}{x-1}$

53. $\dfrac{5(1-x)+3(1+x)}{1-2x} = 8$

114. The cost of $\frac{19}{4}$ metres of wire is Rs. $\frac{171}{2}$. Find the cost of one metre of the wire.