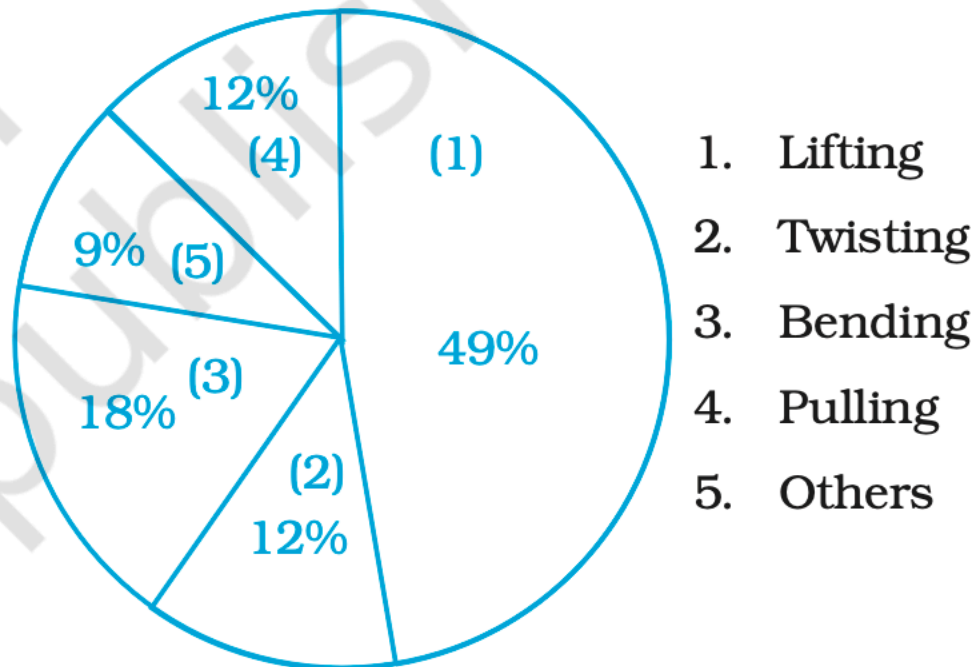


Example 18 : Application on problem solving strategy

Given below is a pie chart depicting the reason given by people who had injured their lower back.

Study the pie chart and find the number of people who injured their back while either bending and lifting. A total of 600 people were surveyed.



3. In a pie chart, the total angle at the centre of the circle is

- (a) 180° (b) 360° (c) 270° (d) 90°

4. The range of the data 30, 61, 55, 56, 60, 20, 26, 46, 28, 56 is

- (a) 26 (b) 30 (c) 41 (d) 61

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) $\frac{4}{5}$

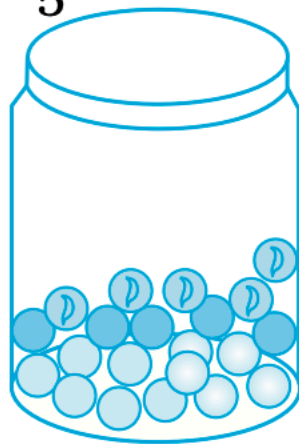
32. A glass jar contains 6 red, 5 green, 4 blue and 5 yellow marbles of same size. Hari takes out a marble from the jar at random. What is the probability that the chosen marble is of red colour?

(a) $\frac{7}{10}$

(b) $\frac{3}{10}$

(c) $\frac{4}{5}$

(d) $\frac{2}{5}$



33. A coin is tossed two times. The number of possible outcomes is

(a) 1

(b) 2

(c) 3

(d) 4

86. A dice is rolled once. What is the probability that the number on top will be

- (a) Odd
- (b) Greater than 5
- (c) A multiple of 3
- (d) Less than 1
- (e) A factor of 36
- (f) A factor of 6

1. If three angles of a quadrilateral are each equal to 75° , the fourth angle is

(a) 150°

(b) 135°

(c) 45°

(d) 75°

The angles of a quadrilateral are in the ratio $1 : 2 : 3 : 4$. The smallest angle is

(a) 72°

(b) 144°

(c) 36°

(d) 18°

46. A parallelogram PQRS is constructed with sides $QR = 6$ cm, $PQ = 4$ cm and $\angle PQR = 90^\circ$. Then PQRS is a

(a) square

(b) rectangle

(c) rhombus

(d) trapezium

146. In parallelogram ABCD, find $\angle B$, $\angle C$ and $\angle D$.

