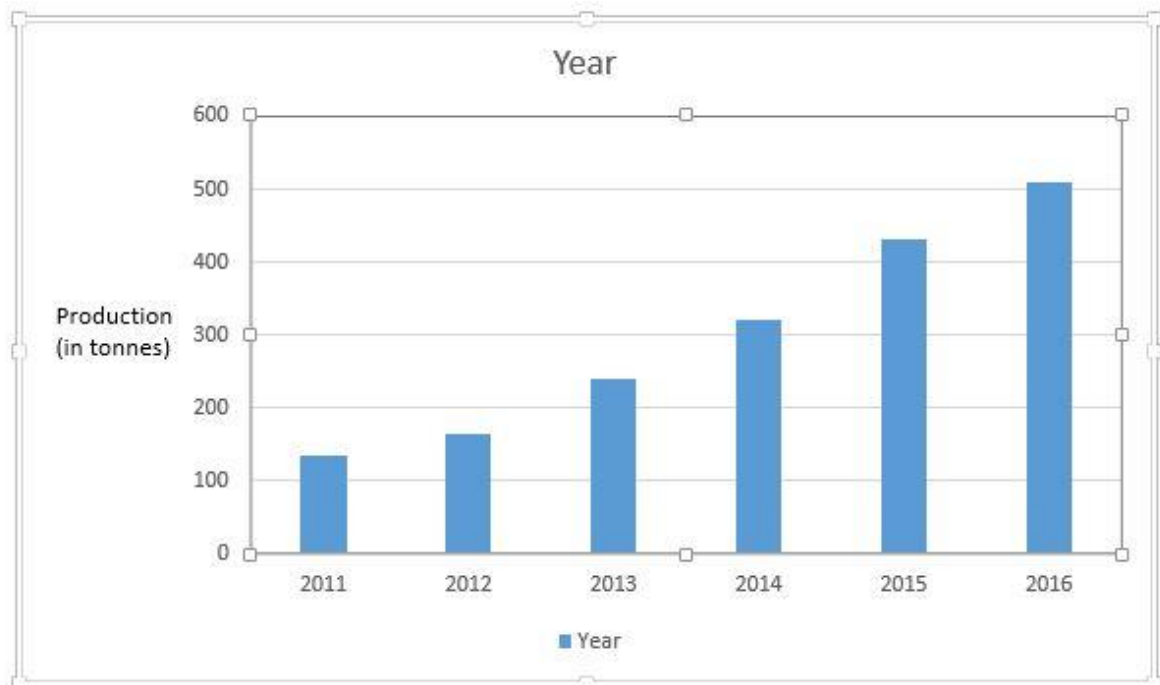


Q. 1 The below-mentioned data is of a cement factory (2011 – 16). Arrange a bar diagram.

Year	2011	2012	2013	2014	2015	2016
Production (in M. Tonnes)	135	165	240	320	430	510

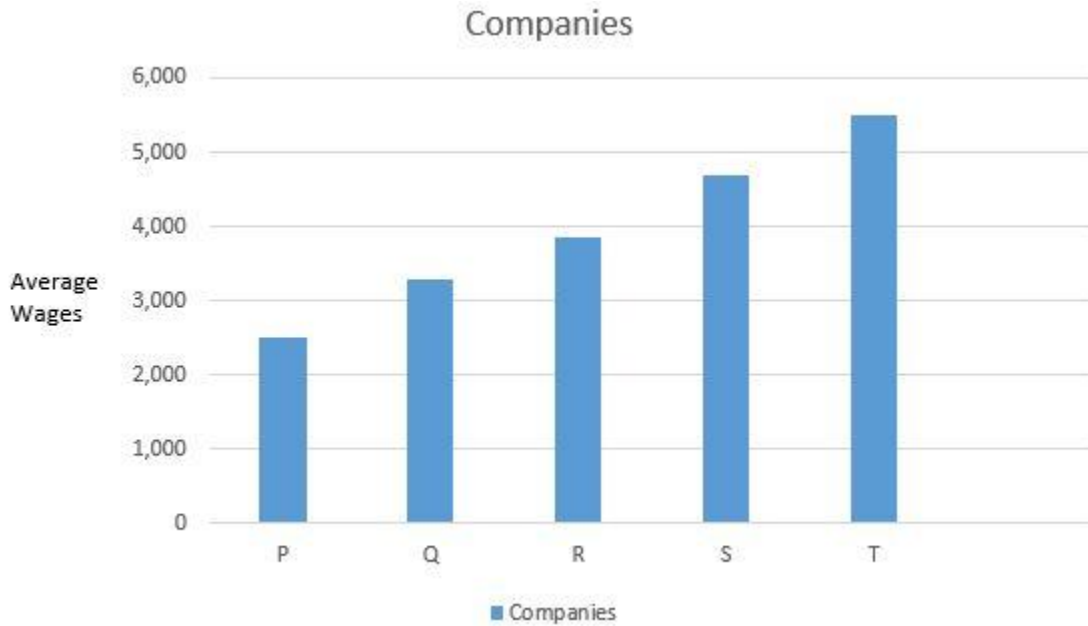
The solution for this question is as follows:



Q.2 Few companies' average wages are mentioned below. Prepare a bar diagram.

Companies	P	Q	R	S	T
Average Wages	2,500	3,300	3,850	4,700	5,500

The solution for this question is as follows:

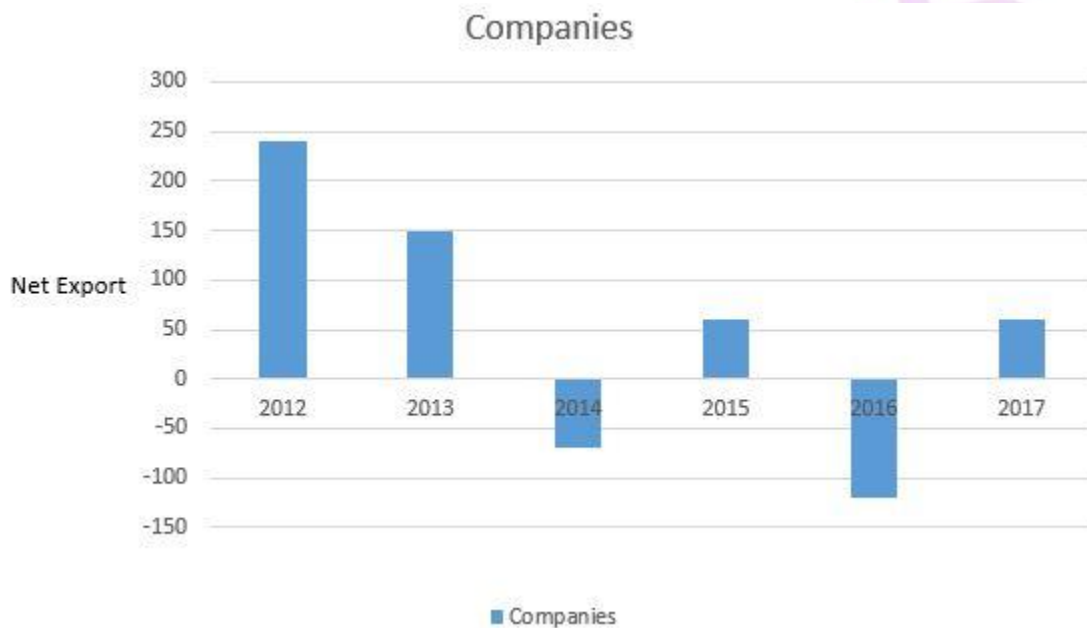


Question 3

Prepare a bar diagram from the following net export data a firm.

Year	2012	2013	2014	2015	2016	2017
Net Exports (in Crores)	240	150	(-70)	60	(-120)	60

The solution for this question is as follows:



Q.4 Draw a pie diagram with a determined percentage break-up for the construction of a house.

Bricks	Labour	Steel & timber	Marble	Cement	Miscellaneous
20%	12%	25%	15%	13%	15%

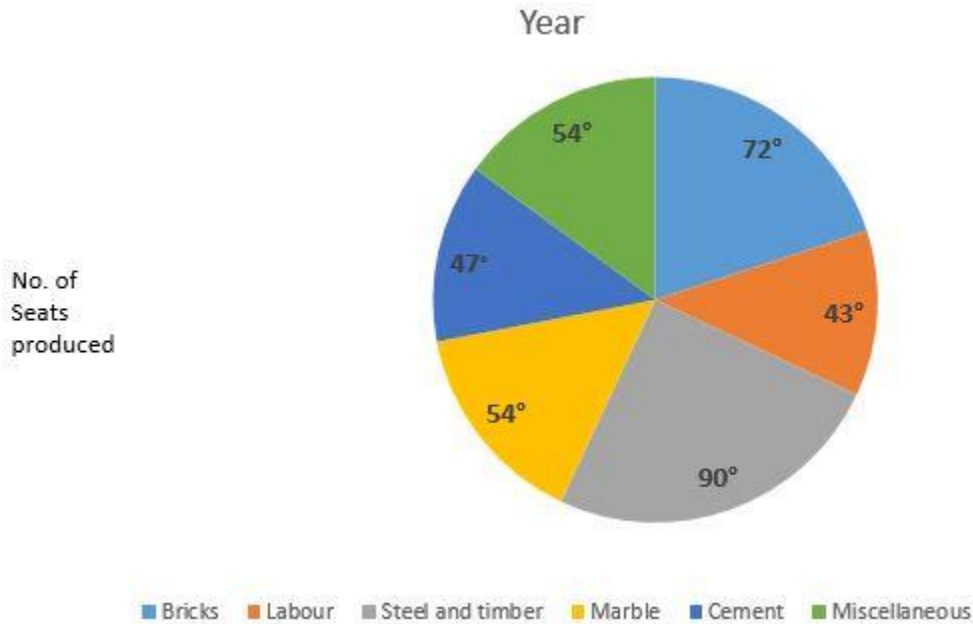
Construct a pie diagram to represent the given data.

The solution for this question is as follows:

The percentage values are converted into degree values using the following formula.

$$\begin{aligned} \text{Degree Share} &= (\% \text{share} / 100) \times 360 \\ &= \text{Percentage share} \times 3.6 \end{aligned}$$

Items	Expenditure (in %)	Degree Share
Bricks	20	$20 \times 3.6 = 72^\circ$
Labour	12	$12 \times 3.6 = 43.2^\circ$
Steel and timber	25	$25 \times 3.6 = 90^\circ$
Marble	15	$15 \times 3.6 = 54^\circ$
Cement	13	$13 \times 3.6 = 46.8^\circ$
Miscellaneous	15	$15 \times 3.6 = 54^\circ$
		360°



Q. 5 Present a bar diagram from the below table which gives information about a company that produces a number of seats for different years.

Year	No. seat produced
2012-13	6,000
2013-14	8,500
2014-15	12,000
2015-16	14,600
2016-17	18,000

The solution for this question is as follows:

