



MATHS

BOOKS - RS AGGARWAL MATHS (HINGLISH)

PIE CHARTS

Example

1. A man with a monthly salary of Rs.21600 plans his budget for a month as given below:

Item	Food	Rent	Education	Savings	Miscellaneous
Amount (in ₹)	6300	4200	3900	4800	2400

Represent the above data by a pie chart.



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2. The data on the mode of transport used by 720 students are given below :

Mode of transport	Bus	Cycle	Train	Car	Scooter
Number of students	120	180	240	80	100

Represent the above data by a pie chart.



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3. There are 216 workers in a factory as per list given below:

<i>Cadre</i>	<i>Labourer</i>	<i>Mechanic</i>	<i>Fitter</i>	<i>Supervisor</i>	<i>Clerk</i>
<i>Number of workers</i>	75	60	36	27	18

Represent the above data by a pie chart.



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4. The following table shows the expenditure in percentage incurred on the construction of a house in a city :

<i>Item</i>	<i>Brick</i>	<i>Cement</i>	<i>Steel</i>	<i>Labour</i>	<i>Miscellaneous</i>
<i>Expenditure (in percentage)</i>	15%	20%	10%	25%	30%

Represent the above data by a pie chart.



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Exercise 24 A

1. The monthly income of a family is Rs.28800. The monthly expenditure of the family on various items is given below :

Item	Rent	Food	Clothing	Education	Savings
Expenditure (in ₹)	8000	10800	5600	3600	800

Represent the above by a pie chart.



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2. There are 900 creatures in a zoo as per list given below :

Beast animals	Other land animals	Birds	Water animals	Reptiles
150	400	175	125	50

Represent the above data by a pie chart.



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3. Various modes of transport used by 1260 students in a given school are given below :

School bus	Private bus	Bicycle	Rickshaw	On foot
350	245	210	175	280

Represent the above data by a pie chart.



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4. The data given below shows a number of hours spent by a school boy on different activities on a working day.

Activity	School	Homework	Play	Sleep	Others	Total
Number of hours	7	4	2	8	3	24

Represent the above data by a pie chart.



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5. The data on religionwise division of 1080 workers of a factory are given below

Religion	Hindu	Muslim	Sikh	Christian
Number of workers	450	270	255	105

Represent the above data by a pie chart.



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6. The marks obtained by Sudhir in an examination are given below:

Subject	English	Hindi	Mathematics	Science	Social science
Marks obtained	105	75	150	120	90

Represent the above data by a pie chart.



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7. The following table gives the number of different fruits kept in a hamper.

Type of fruit	Mangoes	Apples	Oranges	Coconuts	Pomegranates
Number	26	30	21	5	8

Represent the above data by a pie chart.



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8. The following data shows the agricultural production in India during a certain year.

Foodgrain	Rice	Wheat	Coarse cereals	Pulses
Production (in millions of tonnes)	57	76	38	19

Represent the above data by a pie chart.



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9. Given below is the result of an annual examination of a class, showing the percentage of students in each category .

First division	Second division	Third division	Failed
25%	45%	20%	10%

Represent the above data by a pie chart.



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10. The following table shows the percentage of buyers of four different brands of bathing soaps.

Brand	A	B	C	D
Percentage of buyers	20%	40%	25%	15%

Represent the above data by a pie chart.



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Exercise 24 B

1. A man's monthly salary is Rs.24000 and his monthly expenses on travel are Rs.2500. The central angle of the sector representing travel expenses in the pie chart would be

A. 30°

B. 37.5°

C. 45°

D. 60°

Answer: B



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2. If 35% of the people residing in a locality are Sikhs then the central angle of the sector representing the Sikh community in the pie chart would be

A. 108°

B. 115°

C. 126°

D. 135°

Answer: C



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3. If in the pie chart representing the number of students opting for different streams of study out of a total strength of 1650 students , the central angle of the sector representing arts students is 48° then what is the number of students who opted for arts stream ?

A. 220

B. 240

C. 275

D. 320

Answer: A



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4. In the pie chart representing the percentages of students having interest in reading various kinds of books, the central

angle of the sector representing students reading novels is 81° . What is the percentage of students interested in reading novels ?

A. 15 %

B. 18 %

C. $22\frac{1}{2}$ %

D. $27\frac{1}{2}$ %

Answer: C



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