

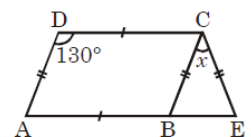
- There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs. 12,000 after 3 years at the same rate?
- The difference between compound interest and simple interest on an amount of Rs. 15,000 for 2 years is Rs. 96. What is the rate of interest per annum?
- A right triangle with sides 3 cm, 4 cm and 5 cm is rotated the side of 3 cm to form a cone. The volume of the cone so formed
- A large cube is formed from the material obtained by melting three smaller cubes of 3, 4 and 5 cm side. What is the ratio of the total surface areas of the smaller cubes and the large cube?
- A does 80% of a work in 20 days. He then calls in B and they together finish the remaining work in 3 days. How long B alone would take to do the whole work?
- A is 30% more efficient than B. How much time will they, working together, take to complete a job which A alone could have done in 23 days?
- A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. In how many days B can do the work alone?
- A bag contains coins of denomination of Rs. 5 and Rs. 2. The total value of these coins is Rs. 1272. If the number of two rupee coins is 15% of the five rupee coins, find the number of coins of each denomination.

9. The following data shows the expenditure of an individual over various items :

Items	Education	Food	Rent	Clothing	Others
Expenditure (in Rs.)	1600	3200	4000	2400	3200

Represent the above data by a pie chart.

10. A rectangular sheet of aluminium foil is 44 cm. long and 20 cm. wide. A cylinder is made out of it, by rolling the foil along width. Find the volume of the cylinder.



Or, what is the value of  $x$  if  $ABCD$  is a parallelogram and  $CBE$  is an isosceles triangle?

11. Fill in the blanks carrying 1 marks
- If the edges of a cube are halved, then its volume become \_\_\_\_\_.
  - For plotting a point on graph sheet, we need \_\_\_\_\_ and \_\_\_\_\_.
  - is the co-ordinates of origin.
  - The point (0, 5) lie on----- axis
  - The representation of statistical data by means of circle is known as ----- that is also called a----
  - A coin is tossed twice. ----- is the probability of getting both tails.
  - One card is drawn from a well shuffled deck of 52 cards. --- is the probability of getting a face card.
  - is the maximum value of the probability for an event?
  - Two dice are thrown simultaneously. -- is the probability of getting an even number as the sum.
  - If base radius of a cylinder is doubled then the volume of new cylinder = \_\_\_\_\_ times the volume of given cylinder.