

Grade: 6

Sub: Maths

Practice set - II

1. a) Find the greatest number that divides 45, 60 and 75 without leaving a remainder.
- b) Find the least number that is exactly divisible by 18, 30 and 45 without leaving a remainder.
- c) The capacity of Glass-A is 400ml, and that of Glass-B is 200ml. Answer the following questions.
- Write the capacity of 10 different jars which can completely filled by the glass-A with exact number of times
 - Write the capacity of 10 different jars which can be completely filled by Glass-B.
 - Write lowest capacity of jar which can be completely filled by both Glass-A and B.
- d) The H.C.F and LCM of two numbers are 4 and 48 respectively. If one of the number is 16 find the other number.
2. a) 144 chairs are arranged in a hall in such way that are equal number of chairs in each row and column.
- Factorize 144 to the prime factors.
 - Find square root of 144.
 - How many chairs are there in each row and column?

b) There are 24 students in a class VI. If every student donates the same amount of money as their number to the orphanage, How much money do they donate altogether?

c) If the volume of cubical dice is 216 cm^3 , find its length. Also find total surface area of a dice.

d) Ms. Suhana walks 7 km due east and then 5 km due west.

- i) Find her position with respect to her starting point.
- ii) Calculate total distance she travelled?
- iii) Represent above information in number line.

3. a) Mr. Nabin spends $\frac{3}{4}$ parts of his monthly salary on Edu. & food $\frac{1}{8}$ parts on clothes and remaining he saves in a bank.

- i) On which heading Mr. Nabin spends more?
- ii) Convert $\frac{3}{4}$ in percentage.
- iii) If his monthly earning is Rs 40,000, How much money does he save in a month?

b) The distance between two places is 15 km. A man travelled $2\frac{1}{4}$ km by taxi, $5\frac{1}{8}$ km by a bus and remaining by walking. How many km did he walk?

c) Out of 30 students in a class, two-third were successful to get A+ grade in math test. Among

these successful students, one-quarter got A^+ grade in Science too.

i) What fraction of the successful students got A^+ grade in science?

ii) How many students were successful to get A^+ in Science?

iii) How many students got other than A^+ grade in these two subjects.