Class7 Chapter Percentage Test paper-2

1. Express as percentage: $\frac{3}{11}$; $\frac{7}{25}$; $\frac{6}{10}$

Ans: (i) $\frac{3}{11}$ x 100 % = 27.27% ; (ii) $\frac{7}{25}$ x 100 % = 28% ; (iii) $\frac{6}{10}$ x 100 % = 60%

2. Express as Fraction $33\frac{1}{3}$% ; $66\frac{2}{3}$% ; 75%

Ans: (i) $33\frac{1}{3}$ $x\frac{1}{100}$ = $\frac{1}{3}$ (ii) $66\frac{2}{3}$ $x\frac{1}{100}$ = $\frac{2}{3}$ (iii) $75x\frac{1}{100}$ = $\frac{3}{4}$

3. Express as Decimal 25% , 125% , 16 2/3% , 1%

Ans (i) 25 $x\frac{1}{100}$ = 0.25 ,

(ii) 125 $x\frac{1}{100}$ = 1.25,

(iii) $16\frac{2}{3}$ $x\frac{1}{100}$ = $\frac{50}{3}$ x $\frac{1}{100}$ = $\frac{1}{6}$ = 0.166666.. ,

(iv) 1 $x\frac{1}{100}$ = 0.01

4. Express as percentage: 1.25, 0.01, and 0.056

Ans: (i) 1.25 x 100 % = $\frac{125}{100}$ x 100 % = 125% ,

(ii) 0.01 x 100 % = $\frac{1}{100}$ x 100 % = 1% ,

(iv) 0.056 x 100 % = $\frac{56}{1000}$ x 100 % = 5.6%

5 fill in the blanks :

(i) 7 Paisa = ...of a rupee   (ii) 200 gm = ...of a kg   (ii) 50 cm = ... of a meter

(iv) 215 ml = ...of a lit.   (v) 550 m = ...of a km.   (v) 30 ml = ...of a lit.

Ans: (i) 7 Paisa = ...of a rupee   = $\frac{7P}{100P}$ x 100 % = 7%

(ii) 200 gm = ...of a kg $\frac{200g}{1000g}$ x 100% = 20%

(ii) 50 cm = ... of a meter $\frac{50cm}{100cm} x \ 100 \ \% = 50\%$

(iv) 215 ml = ...of a lit. $\frac{215ml}{1000ml} x \ 100\% = 21.5\%$

(v) 550 m = ...of a km. $\frac{550m}{1000m} x \ 100\% \ = 55\%$

(v) 30 ml = ...of a lit. $\frac{30ml}{1000ml} x \ 100\% = 3\%$

6. Find (i) 30 % of 50 (ii) 90 % of 100 (iii) $3\frac{1}{5}$ % of 500

(i) 30 % of 50 = $\frac{30}{100} x \ 50 = 15$

(ii) 90 % of 100 = $\frac{90}{100} x \ 100 = \ 90$

(iii) $3\frac{1}{5}$ % of 500 = $\frac{16}{5x \ 100} x \ 500 = 16$

7. What is the num. whose 50 % is equal to 8

Ans : 50% 0f x = 8 => $\frac{50}{100} \ of \ x = 8 => x = \frac{8x100}{50} = 16$

8. What percent of 45 minute is 15 minute?

Ans: $\frac{15}{45} x100\% \ = 33\frac{1}{3}$ %

9. Which is more 20 % of 450 or, 40 % of 230

Ans: 20 % of 450 = $\frac{20}{100} x \ 450 = 90$ or, 40 % of 230 $= \frac{40}{100} x \ 230 = 92$

So, 40 % of 230 is more than 20 % of 450 by 2

Q11. Neha got 68% in Hindi. Find how many marks he got out of 25?

Ans: 68% $of \ 25 = \frac{68}{100} x \ 25 = 17$

Q12. A man got 60 out of 75 in Maths in final. Find his % of marks?

Ans: % of marks $= \frac{60}{75} x \ 100\% = \ 20 \ x \ 4 = 80\%$

Q13. 90% of total student were present. Find the Number of students absent if total students were 1200?

Ans: Absent students $= 100 - 90 = 10\%$ of $1200 = \frac{10}{100} x\ 1200 = 120$

Q13. Asha's age is 20 % more than Sneha's age. Find the age of Sneha if the age of Asha is 20 years.

Ans: Let Snehas age = x yrs

Asha's age = 20 % of Sneha's age + Sneha's age $=> 20 = \frac{20}{100} \times x + x$

$=> 20 = \frac{120x}{100} => x = 20 \times \frac{100}{120} = \frac{50}{3}\ yrs = 16\frac{2}{3}\ yrs = 16\ yrs\ 8\ months$

Sneha's age is $16\ yrs\ 8\ months$

Q14. A metal contains 55 % of Tin, 20 % of Zinc and rest % of brass .Find the mass of Brass if total metal weight 1kg.

Ans: % of brass $= 100 - (55 + 20) = 25\%$; the mass of Brass $= \frac{25}{100}\ of\ 1\ kg = \frac{1}{4} of\ 1000g = 250gm$

Q15. To pass an examination 48 % of marks are needed. Rahul gets 168 marks and fail by 36 marks .What is the maximum marks of Examination.

Ans: Let the maximum marks of Examination = x

Pass marks $= 168 + 36 = 204$ So, $48\%\ of\ x = 204 => x = \frac{204 \times 100}{48} = 425\ marks$

Q16. In a class of 80 students, 45 % are girls. How many of the students are boys?

Ans: Girls $= 45\%\ of\ 80 = \frac{45\ x\ 80}{100} = 36$ Then No. of boys $= 80 - 36 = 44$

Q17. Reena earns Rs. 25,400 per month. She spend 65 % of earning. Find her saving?

Ans: Her saving $= (100 - 65)\%\ of\ 25,400 = \frac{35}{100} x\ 25,400 = Rs.\ 8,890$