

Probability Ex 13.1

23. 480 (C)

$$0.08 = \frac{x}{6000}$$

$$\Rightarrow x = 0.08 \times 6000 = 480$$

24. $\frac{1}{5}$ (A)

numbers multiples of 5 are 8

5, 10, 15, 20, 25, 30, 35, 40

$$\therefore P = \frac{8}{40} = \frac{1}{5}$$

25. $\frac{1}{4}$ (C)

Prime nos from 1 to 100 are

2, 3, 5, 7, 11, 13, 17, 19, 23,
29, 31, 37, 41, 43, 47, 53,
59, 61, 67, 71, 73, 79, 83,
89, 97

26. $\frac{6}{23}$ (B)

Students not in houses A, B, C are $23 - 17 = 6$

$$\therefore P = \frac{6}{23}$$