

## EXAMPLES.—2.

1. What part of a number is 6 per cent. of it? 3 per cent. of it? 4 per cent. of it? 8 per cent. of it?

2. What part of a number is 5 per cent. of it? 10 per cent.? 15 per cent.? 22 per cent.? 40 per cent.? 55 per cent.? 12 per cent.? 80 per cent.? 35 per cent.? 65 per cent.? 135 per cent.?

3. What part of a number is  $12\frac{1}{2}$  per cent. of it?  $18\frac{3}{4}$  per cent.?  $6\frac{1}{4}$  per cent.?  $8\frac{1}{4}$  per cent.?  $37\frac{1}{2}$  per cent.?  $2\frac{6}{7}$  per cent.?  $10\frac{5}{12}$  per cent.?  $87\frac{1}{2}$  per cent.?

4. What part of a number is  $\frac{1}{2}$  per cent. of it?  $\frac{3}{4}$  per cent.?  $\frac{5}{8}$  per cent.?  $\frac{7}{10}$  per cent.?  $\frac{5}{12}$  per cent.?  $\frac{7}{8}$  per cent.?

5. What per cent. of a number is  $\frac{1}{5}$  of it?

*Sol.*—The entire number is 100 per cent.  $\therefore \frac{1}{5}$  of it = 20 per cent.

6. What per cent. of a number is  $\frac{1}{3}$  of it?  $\frac{2}{5}$  of it?  $\frac{3}{4}$  of it?  $\frac{6}{25}$  of it?  $\frac{2}{3}$  of  $\frac{3}{4}$  of it?

7. What per cent. of 16 is 4?

*Sol.*—4 is  $\frac{1}{4}$  of 16, and  $\frac{1}{4}$  of a number is 25 per cent. of it.

8. What per cent. of 140 is 5? 10? 14? 21? 35? 105? 112?

9. A man bought a horse for \$145, and paid 40 per cent. of it in cash and the balance by note: find the amount of the note.

*Sol.*—40 per cent. of \$145 =  $\frac{2}{5}$  of 145 = \$58.  $\therefore$  note = \$145 - \$58 = \$87.

10. A boy lost 20 per cent. of his marbles, sold 25