6. A man had 300 sheep, he sold **8** out of every 100 : how many did he sell ?

> *Sol.*—He sold 8 of every hundred ; there are 3 hundred .·. he sold 3 times 8, or 24 (=300 $\times 8 \div 100$, or $=300 \times \frac{8}{100}$).

7. A man paid away $7 out of every hundred he had : how much did he pay out of 200 ?   400 ?   500 ?   800 ?   900 ?

8. A man received $8 for every $100 lent for a certain time : how much did he receive for $350 ?

> *Sol.*—He received $8 for 1 hundred ; there were $3\frac{1}{2}$ hundred lent .·. he received $3\frac{1}{2} \times 8$ =$28 (=$350 \times 8 \div 100 = 350 \times \frac{8}{100}$).

9. A man borrowed money for a time and paid $8 for every hundred : how much did he pay on $550 ? $525 ? $575 ?

Instead of using the phrases 2 *on every hundred*, 3 *on every hundred*, 4 *on every hundred*, 5 *on every hundred*, 6 *on every hundred*, &c., &c., we say 2 *r cent.* 3 *per cent.* 4 *per cent.* 5 *per cent.* &c., &c., the words *per cent.* meaning "on every hundred."—*Note.*—The symbol % is often used for the words *per cent.*

10. How much is 5 per cent of $300 ? $400 ? $800 ?

11. How much is 8 per cent. of $325 ? $450 ? $575 ?

> *Sol.*—In 325 there are $3\frac{1}{4}$ hundreds .·. 8 per cent. $= 3\frac{1}{4} \times 8 = 26$. $=(325 \div 100) \times 8 = 325 \times \frac{8}{100}$, also $= 325 \times .08$.

12. 5 is what part of 100 ?   6 is what part of 100 ?   7 ?   8 ?