

1. Write each percent as a fraction in lowest terms.

$$4.35\% = \frac{4.35 \cdot 100}{100 \cdot 100} = \frac{435 \div 5}{10000 \div 5} = \boxed{\frac{87}{2000}}$$

$$50\frac{5}{6}\% = \frac{50\frac{5}{6}}{100} = \frac{\frac{305}{6}}{100} = \frac{305 \div 5}{6} \cdot \frac{1}{\frac{100}{20}} = \boxed{\frac{61}{120}}$$

2. Write each percent as a decimal number.

$$14\% = \boxed{0.14}$$

$\div 100$

$$205\frac{3}{4}\% = 205.75\% = \boxed{2.0575}$$

$\div 100$

3. Write each number below as a percent.

$$1.25 \cdot 100\% = \boxed{125\%}$$

$$\frac{7}{8} = 0.875 \cdot 100\% = \boxed{87.5\%}$$

Q: A man wanted to enter an exclusive club but did not know the password that was required. He waited by the door and listened. A club member knocked on the door and the doorman said "twelve." The member replied "six" and was let in. A second member came to the door, and the doorman said "six." The member replied "three" and was let in. The man thought he had heard enough and walked up to the door. The doorman said "ten," and the man replied "five." But he was not let in. What should he have said?