

check point 4

1. write the following numbers in standard form.

a) $\frac{63}{100} = 6.3 \times 10^{-2}$

c) $1.89 = 1.89 \times 10^0$

b) $\frac{6}{10} = 6 \times 10^{-1}$

d) $3.023 = 3.023 \times 10^0$

2. convert the following fraction to percent.

a) $\frac{56}{100} = 56\%$

c) $\frac{135}{1000} = 13.5\%$

b) $\frac{79}{10} = 790\%$

d) $\frac{56}{10} = 560\%$

3. convert the following decimal to percent.

a) $2.9 = 2\frac{9}{10} = \frac{29}{10} \times 100 = 290\%$

c) $4.2 = \frac{42}{10} \times 100 = 420\%$

b) $0.04 = 4\%$

d) $0.12 = 12\%$

4. convert the following decimal to fraction.

a) $1.6 = 1 + 0.6 = 1\frac{3}{5} = 1\frac{6}{10} = \frac{16}{10}$

c) $3.7 = 3 + 0.7 = 3\frac{7}{10}$

b) $0.34 = \frac{34}{100} = \frac{17}{50}$

d) $0.4 = \frac{4}{10} = \frac{2}{5}$

5. convert the following percent to fraction.

a) $3\% = \frac{3}{100}$

c) $55\% = \frac{55}{100} = \frac{11}{20}$

b) $15\% = \frac{15}{100} = \frac{3}{20}$

d) $31\% = \frac{31}{100}$

6. convert the following percent to decimals.

a) $22\% = \frac{22}{100} = 0.22$

c) $4\% = \frac{4}{100} = 0.04$

b) $40\% = \frac{40}{100} = 0.4$

d) $77\% = \frac{77}{100} = 0.77$