Comparing fractions and decimals - answers

Fractions to decimals

Write these fractions as decimals.

1. $\frac{1}{2} = 1 \div 2 = 0.5$
2. $\frac{1}{4} = 1 \div 4 = 0.25$
3. $\frac{1}{5} = 1 \div 5 = 0.2$
4. $\frac{1}{10} = 1 \div 10 = 0.1$
5. $\frac{3}{4} = 3 \div 4 = 0.75$
6. $\frac{2}{5} = 2 \div 5 = 0.4$
7. $\frac{1}{25} = 1 \div 25 = 0.04$
8. $\frac{1}{100} = 1 \div 100 = 0.01$
9. $\frac{1}{50} = 1 \div 50 = 0.02$
10. $\frac{3}{10} = 3 \div 10 = 0.3$

Decimals to fractions

Write these decimals as fractions, simplifying your answer.

1. $0.25 = \frac{2}{10} + \frac{5}{100} = \frac{20}{100} + \frac{5}{100} = \frac{25}{100} = \frac{1}{4}$
2. $0.5 = \frac{5}{10} = \frac{1}{2}$
3. $0.75 = \frac{7}{10} + \frac{5}{100} = \frac{70}{100} + \frac{5}{100} = \frac{75}{100} = \frac{3}{4}$
4. $0.1 = \frac{1}{10}$
5. $0.2 = \frac{2}{10} = \frac{1}{5}$
6. $0.3 = \frac{3}{10}$
7. $0.4 = \frac{4}{10} = \frac{2}{5}$
8. $0.6 = \frac{6}{10} = \frac{3}{5}$
9. $0.7 = \frac{7}{10}$
10. $0.01 = \frac{1}{100}$