

1. Write 0.5 as a fraction in simplest form.
2. Write 0.22 as a fraction in simplest form.
3. Write 0.49 as a fraction in simplest form.
4. Write 0.9 as a fraction in simplest form.
5. Write 0.75 as a fraction in simplest form.
6. Write - 0.58 as a fraction in simplest form.
7. Write - 0.2 as a fraction in simplest form.
8. Write 20.25 as a fraction in simplest form.
9. Write - 0.6 as a fraction in simplest form.
10. Write 0.022 as a fraction in simplest form.

KEYS

1. Write 0.5 as a fraction in simplest form.

Write the decimal as a fraction with 10 as the denominator. Reduce the fraction to simplest form.

$$0.5 = \frac{5}{10} = \frac{5 \div 5}{10 \div 5} = \frac{1}{2}$$

2. Write 0.22 as a fraction in simplest form.

Write the decimal as a fraction with 100 as the denominator. Reduce the fraction to simplest form.

$$0.22 = \frac{22}{100} = \frac{22 \div 2}{100 \div 2} = \frac{11}{50}$$

3. Write 0.49 as a fraction in simplest form.

Write the decimal as a fraction with 100 as the denominator.

$$0.49 = \frac{49}{100}$$

$\frac{49}{100}$ is written in simplest form.

4. Write 0.9 as a fraction in simplest form.

Write the decimal as a fraction with 10 as the denominator.

$$0.9 = \frac{9}{10}$$

$\frac{9}{10}$ is written in simplest form.

5. Write 0.75 as a fraction in simplest form.

Write the decimal as a fraction with 100 as the denominator. Reduce the fraction to simplest form.

$$0.75 = \frac{75}{100} = \frac{75 \div 25}{100 \div 25} = \frac{3}{4}$$

6. Write - 0.58 as a fraction in simplest form.

Start with 0.58.

Write the decimal as a fraction with 100 as the denominator. Reduce the fraction to simplest form.

$$0.58 = \frac{58}{100} = \frac{58 \div 2}{100 \div 2} = \frac{29}{50}$$

Now write a negative sign on each number:

$$-0.58 = -\frac{29}{50}$$

7. Write - 0.2 as a fraction in simplest form.

Start with 0.2.

Write the decimal as a fraction with 10 as the denominator. Reduce the fraction to simplest form.

$$0.2 = \frac{2}{10} = \frac{2 \div 2}{10 \div 2} = \frac{1}{5}$$

Now write a negative sign on each number:

$$-0.2 = -\frac{1}{5}$$

8. Write 20.25 as a fraction in simplest form.

Write the decimal as a fraction with 100 as the denominator. Reduce the fraction to simplest form.

$$20.25 = \frac{2025}{100} = \frac{2025 \div 25}{100 \div 25} = \frac{81}{4} = 20\frac{1}{4}$$

9. Write - 0.6 as a fraction in simplest form.

Start with 0.6.

Write the decimal as a fraction with 10 as the denominator. Reduce the fraction to simplest form.

$$0.6 = \frac{6}{10} = \frac{6 \div 2}{10 \div 2} = \frac{3}{5}$$

Now write a negative sign on each number:

$$-0.6 = -\frac{3}{5}$$

10. Write 0.022 as a fraction in simplest form.

Write the decimal as a fraction with 1000 as the denominator. Reduce the fraction to simplest form.

$$0.022 = \frac{22}{1000} = \frac{22 \div 2}{1000 \div 2} = \frac{11}{500}$$
