

Name : _____

Terminating and Repeating Decimals Worksheet

Write each fraction as a decimal. Use bar notation when required.

1 $\frac{11}{3} = 3.666$
 $= 3.\bar{6}$

2 $1\frac{1}{2} =$

3 $1\frac{1}{4} =$

4 $\frac{3}{4} =$

5 $\frac{7}{9} =$

6 $\frac{8}{5} =$

7 $\frac{65}{300} =$

8 $1\frac{5}{8} =$

9 $\frac{1}{6} =$

Write each decimal as a fraction in simplest form.

1 2.555 =

2 0.444 =

3 1.77 =

4 11.22 =

5 0.0677 =

6 4.33 =

7 10.100 =

8 0.33 =

9 66.111 =

Name : _____

Terminating and Repeating Decimals Worksheet

Answers

$$\boxed{1} \quad \frac{11}{3} = 3.666 \\ = 3.\bar{6}$$

$$\boxed{2} \quad 1\frac{1}{2} = 1.5$$

$$\boxed{3} \quad 1\frac{1}{4} = 1.25$$

$$\boxed{4} \quad \frac{3}{4} = 0.75$$

$$\boxed{5} \quad \frac{7}{9} = 0.\bar{7}$$

$$\boxed{6} \quad \frac{8}{5} = 1.6$$

$$\boxed{7} \quad \frac{65}{300} = 0.21\bar{6}$$

$$\boxed{8} \quad 1\frac{5}{8} = 1.625$$

$$\boxed{9} \quad \frac{1}{6} = 0.1\bar{6}$$

$$\boxed{1} \quad 2.555 = 2\frac{111}{200}$$

$$\boxed{2} \quad 0.444 = 2\frac{111}{250}$$

$$\boxed{3} \quad 1.77 = 1\frac{77}{100}$$

$$\boxed{4} \quad 11.22 = 11\frac{11}{50}$$

$$\boxed{5} \quad 0.0677 = 2\frac{677}{10000}$$

$$\boxed{6} \quad 4.33 = 4\frac{33}{100}$$

$$\boxed{7} \quad 10.100 = 10\frac{1}{10}$$

$$\boxed{8} \quad 0.33 = 33\frac{33}{100}$$

$$\boxed{9} \quad 66.111 = 66\frac{111}{1000}$$