Name: _____ Date: _____ Class: _____

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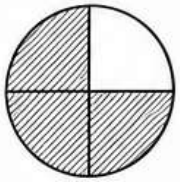
Converting Fractions to Decimals Worksheet

Fraction → Decimal

Read the fraction, convert it to a decimal, and write your answer in the box.
You can use the examples and the fraction circle to help you.

Example

$\frac{3}{4} = 3 \div 4 = 0.75$



So, $\frac{3}{4} = 0.75$

Remember:

- To convert a fraction to a decimal, divide the numerator by the denominator.
- If the fraction is a simple fraction (like $\frac{1}{2}, \frac{1}{4}, \frac{3}{5}$), you can also use equivalent decimal values.

Common Fractions and Decimals:

$\frac{1}{2} = 0.5$	$\frac{1}{4} = 0.25$	$\frac{3}{4} = 0.75$	$\frac{1}{10} = 0.1$
$\frac{1}{5} = 0.2$	$\frac{1}{8} = 0.125$	$\frac{3}{10} = 0.3$	$\frac{7}{10} = 0.7$

Section 1: Convert the following fractions to decimals.

1) $\frac{1}{2}$ = _____
2) $\frac{1}{4}$ = _____
3) $\frac{3}{4}$ = _____
4) $\frac{1}{5}$ = _____
5) $\frac{2}{5}$ = _____
6) $\frac{3}{10}$ = _____
7) $\frac{7}{10}$ = _____
8) $\frac{1}{8}$ = _____
9) $\frac{5}{8}$ = _____
10) $\frac{9}{10}$ = _____

Section 2: Convert the following mixed numbers to decimals.

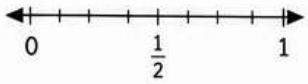
1) $1\frac{1}{2}$ = _____
2) $2\frac{3}{4}$ = _____
3) $4\frac{1}{5}$ = _____
4) $3\frac{7}{10}$ = _____
5) $5\frac{3}{8}$ = _____

Section 3: Convert the following decimals to fractions in simplest form.

1) 0.5 = _____
2) 0.25 = _____
3) 0.75 = _____
4) 0.2 = _____
5) 0.125 = _____
6) 0.3 = _____
7) 0.6 = _____
8) 0.8 = _____
9) 0.45 = _____
10) 0.72 = _____

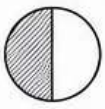
Section 4: Use the number line to help you convert the fractions to decimals.

1) $\frac{1}{4}$ = _____
2) $\frac{3}{4}$ = _____
3) $\frac{1}{8}$ = _____
4) $\frac{5}{8}$ = _____
5) $\frac{7}{8}$ = _____



Tip: The number line shows how fractions are parts of a whole.

Section 5: Write the decimal for the shaded part of each picture.

1)  = _____
2)  = _____
3)  = _____
4)  = _____
5)  = _____
6)  = _____

Section 6: Word Problems

1) What is the decimal equivalent of $\frac{3}{5}$?
_____
2) A ribbon is $\frac{7}{10}$ of a metre long. What is this as a decimal?
_____
3) A pizza is cut into 8 equal slices. If you eat 5 slices, what fraction and decimal have you eaten?
Fraction: _____ Decimal: _____
4) A shirt is $\frac{3}{4}$ full. What is this as a decimal?
_____

☆ Small steps in math make big progress! ☆