

Decimals

Math Words

- decimal

The system we use to write numbers is called the decimal number system. *Decimal* means that the number is based on tens.

Some numbers, like 2.5 and 0.3, include a decimal point. The digits to the right of the decimal point are part of the number that is less than 1.

Here are some examples you may know of decimal numbers that are less than one.

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

$$0.25 = \frac{25}{100} = \frac{1}{4}$$

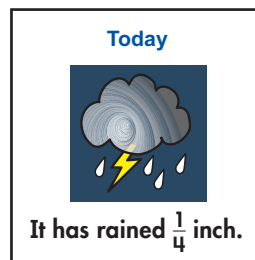
Numbers such as 0.5 and 0.25 are sometimes called decimal fractions.

Some decimal numbers have a whole number part and a part that is less than 1, just as mixed numbers do.

$$1.5 = 1\frac{5}{10} = 1\frac{1}{2}$$

$$12.75 = 12\frac{75}{100} = 12\frac{3}{4}$$

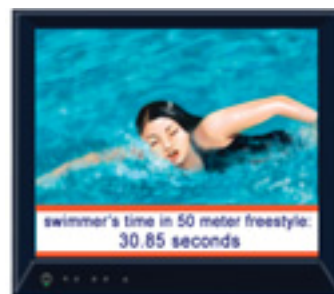
Here are some examples of the ways we use decimals everyday:



Total rainfall in the last 24 hours: 0.25 inch



The race is a little more than 26 miles.



She swam the race in a little less than 31 seconds.



Write a decimal number that is . . . a little more than 12.

. . . almost 6.

. . . more than $\frac{3}{4}$ and less than 1.