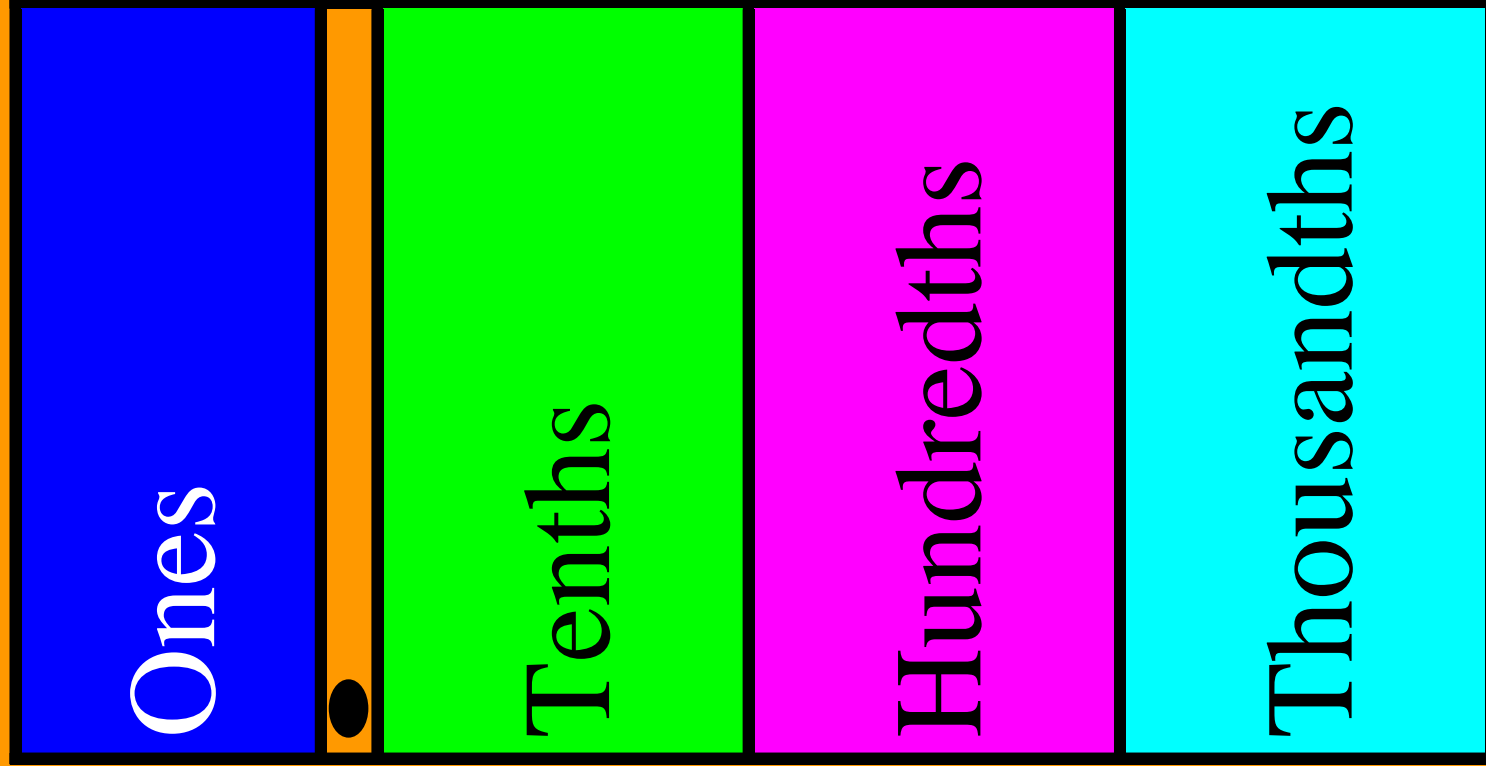


Decimals

Place value,
Comparing & Ordering

Place Value Chart



DECIMAL PLACE VALUE

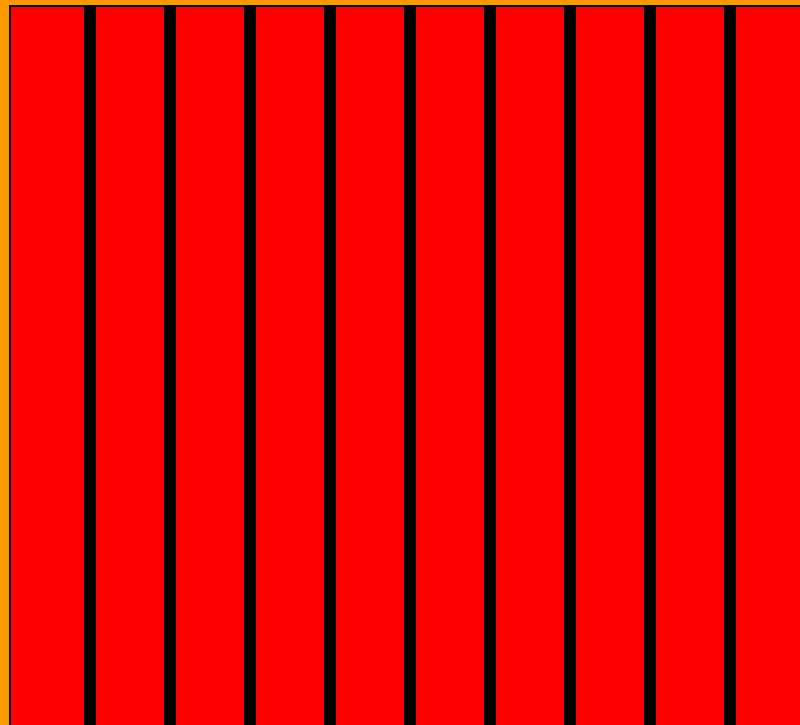
- Decimals show part of a whole.
- The decimal point separates the ones place and the tenths place.
- The decimal says the word "and".

Decimal Models



One Whole

Decimal Models

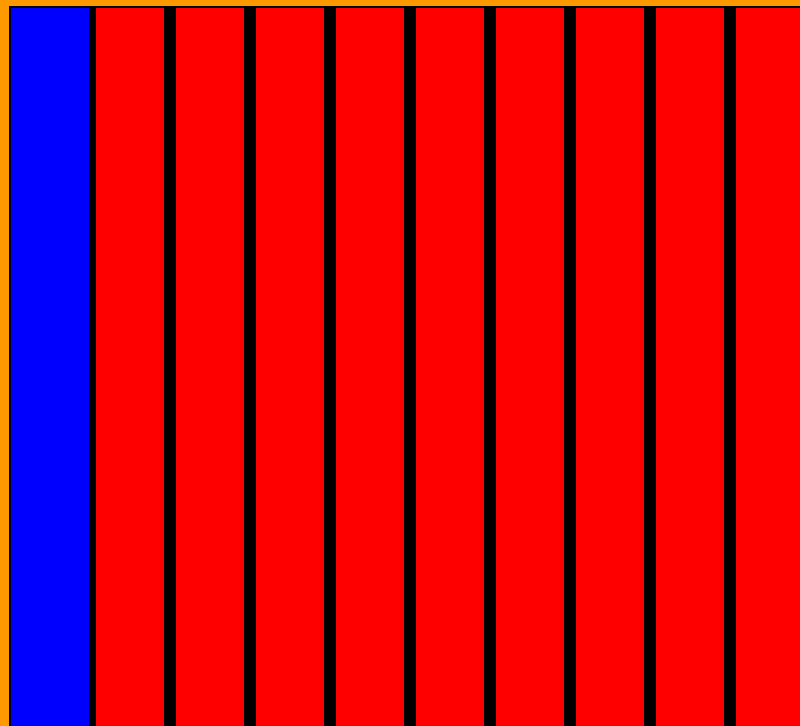


Tenths

Decimal Models

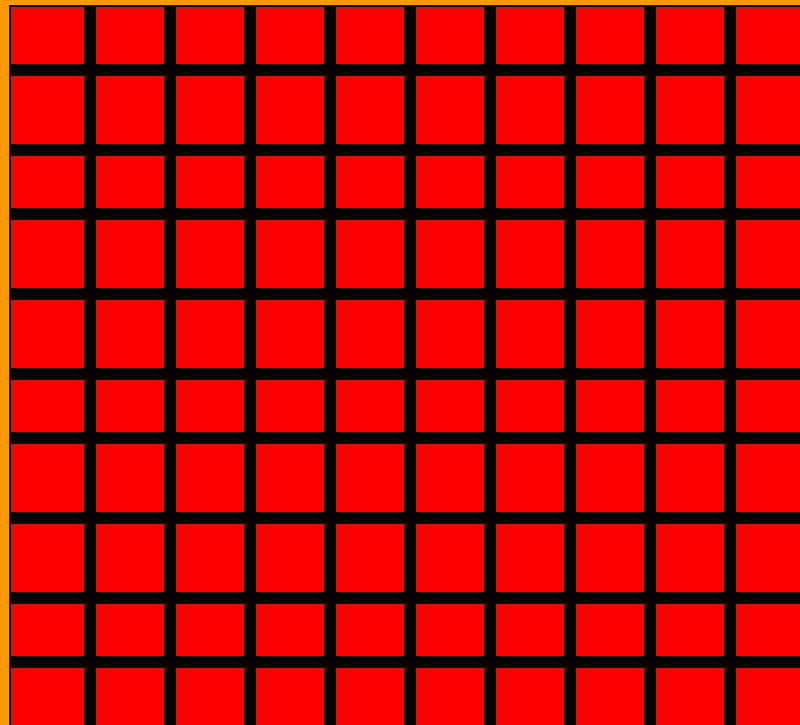
$$\frac{1}{10}$$

$$0.1$$



Tenths

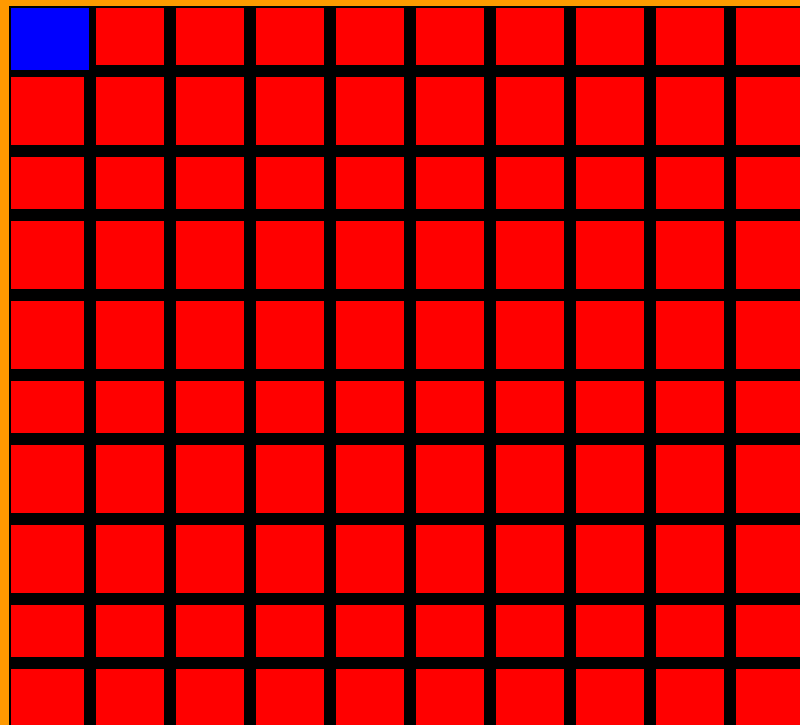
Decimal Models



Hundredths

Decimal Models

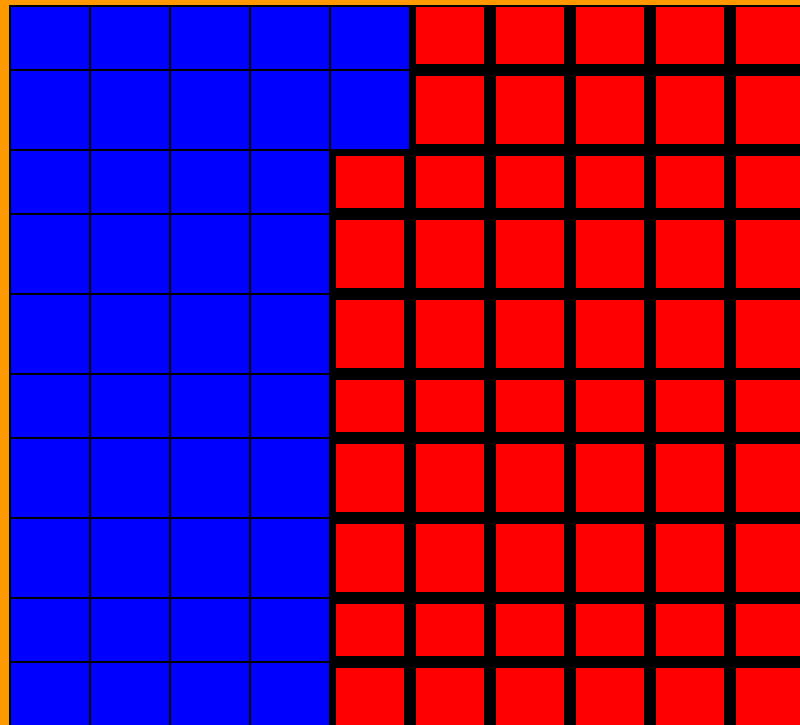
$$\frac{1}{100} = .01$$



Hundredths

Decimal Models

$$\begin{array}{r} 42 \\ \hline 100 \\ \hline .42 \end{array}$$

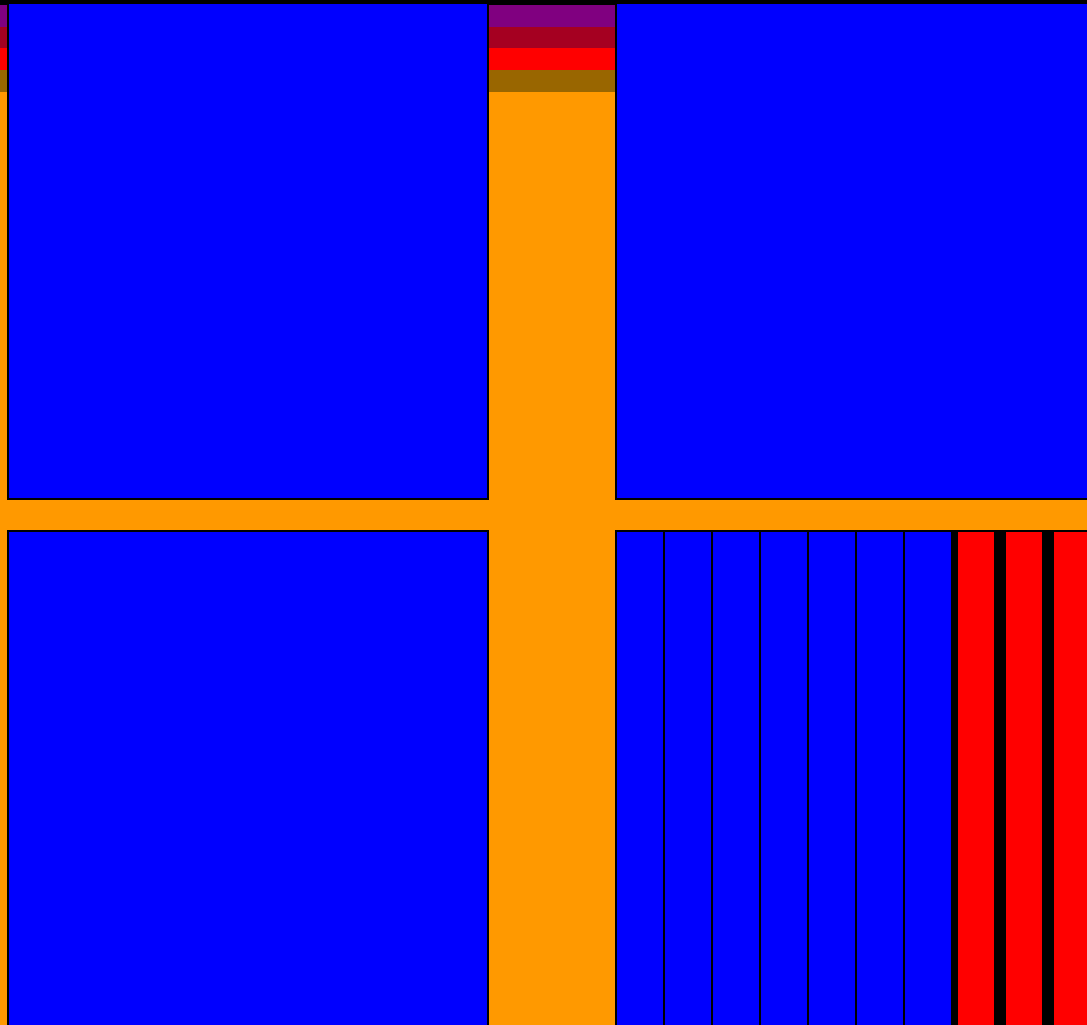


forty two hundredths

Decimal Models

$$3 \frac{7}{10}$$

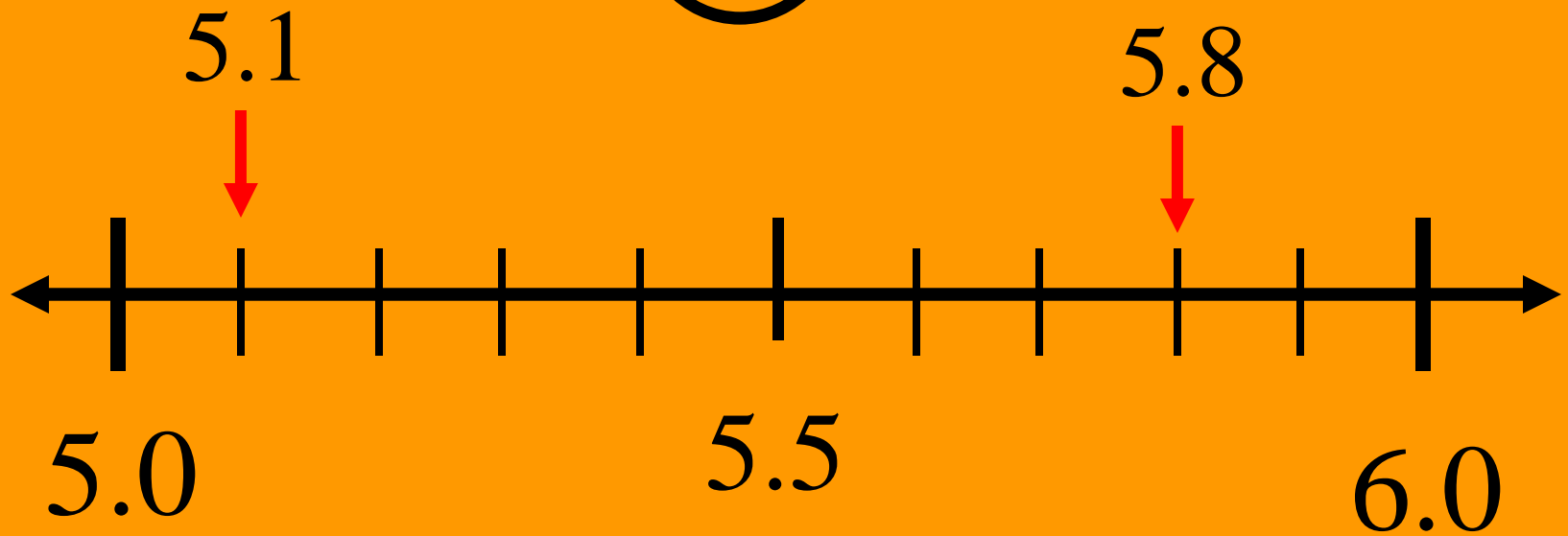
$$3.7$$



Comparing Decimals

Number line

5.1 $<$ 5.8



Comparing Decimals

Place Value

2.037 ○ 2.033

2.037 *Line up decimal points*

2.033 *Start at left, compare each
place value*

Comparing Decimals

Place Value

2.037 ○ 2.033



2.037

2.033

Comparing Decimals

Place Value

$$2.037 \text{ } \textcircled{>} \text{ } 2.033$$

2.037  *7 and 3 are not equal*

2.033 *7 thousandths > 3 thousandths*

Ordering Decimals

Place Value

19.48, 19.481, 19.4



19.48 *Line up the decimal points*

19.481

19.4

Ordering Decimals

Place Value

19.48, 19.481, 19.4

19.480

Annex a zero so that each has the same number of decimal places.

19.481

19.400

Ordering Decimals

Place Value

19.48, 19.481, 19.4



~~19.480~~

~~19.481~~

~~19.400~~

*Compare place to place,
putting the numbers in
order from least to
greatest.*

Ordering Decimals

Place Value

19.48, 19.481, 19.4

19.480

19.4; 19.48; 19.481

19.481

19.400