



MsCottonsCorner.com

Common Decimal Misconceptions

Fixing

Et profit
RDV maintenant
Vendeur : 321861
Date : 23/07/18
Magasin :
Caisse : 02

Shorts
0603583

Total

NOMBRE

TVA%

20,00

Total

2,50

2,50

CARTE BANCAIRE

Reçu
CARTE BANCAIRE

14,99 €

14,99

14,99

$$15 + 2.0 = 3.5$$

$$18 - 5 = 13$$

$$14 + 9 =$$

$$12 - 10 =$$

$$17 + 4 =$$



Concept #1

$$.50 = .5$$

Trailing zeros to the right
does NOT change the value
of a decimal.

Eric is adding up the money in his bank. He writes \$0.50 for a half dollar and \$0.05 for a nickel. Do these two coins have the same value?



half dollar



nickel

Concept #2

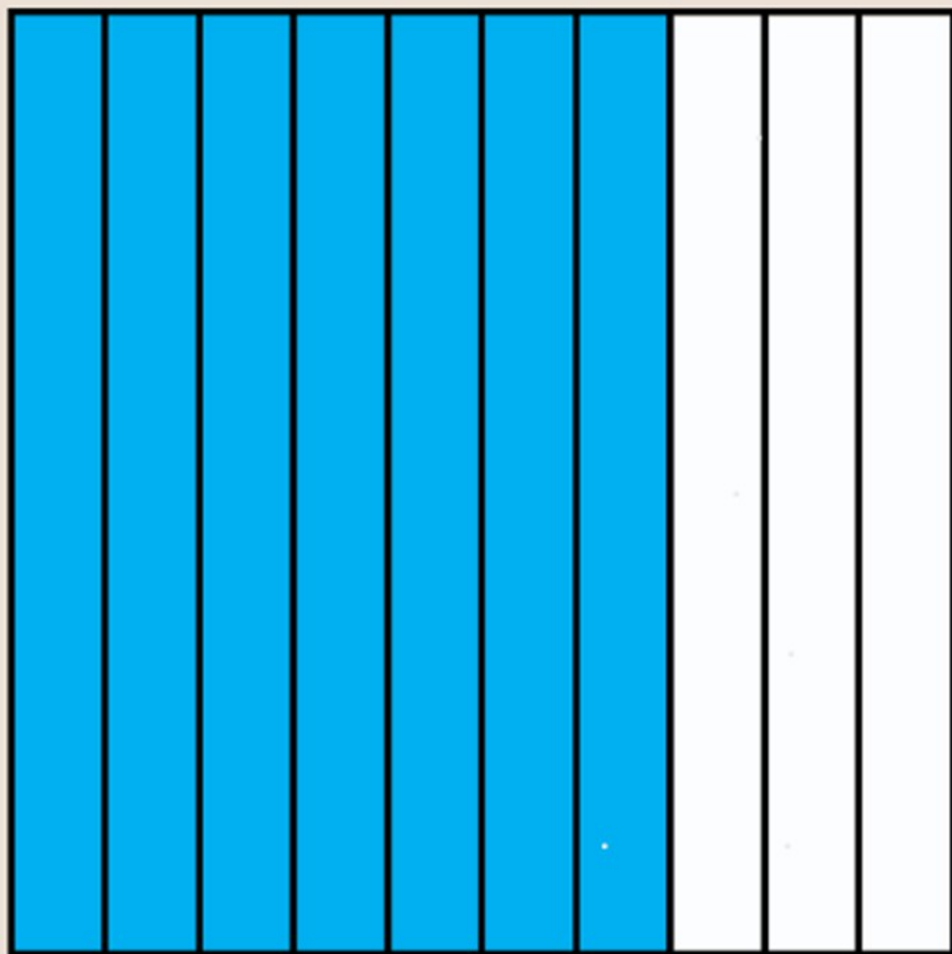


Decimal numbers are
BETWEEN whole numbers.

Concept #3

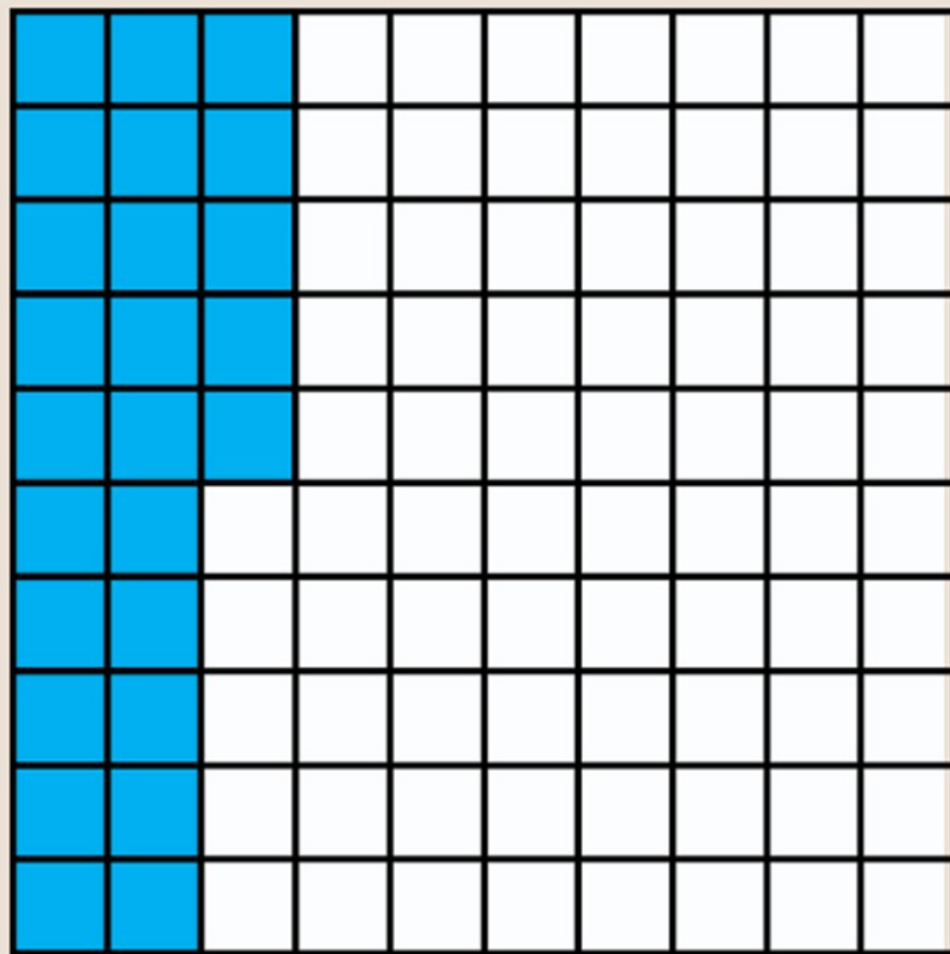
$$.312 < .7$$

Longer decimals may
NOT be greater.



.7

>



.25

Concept #4

$$3.1 \neq 31$$

The decimal point separates the whole numbers from the decimal numbers.

tens	ones	tenths
2	4	
	2	4

Concept #5

$$.1 \neq .01$$

Decimal digits change value based on their place, just like whole numbers.

Concept #6

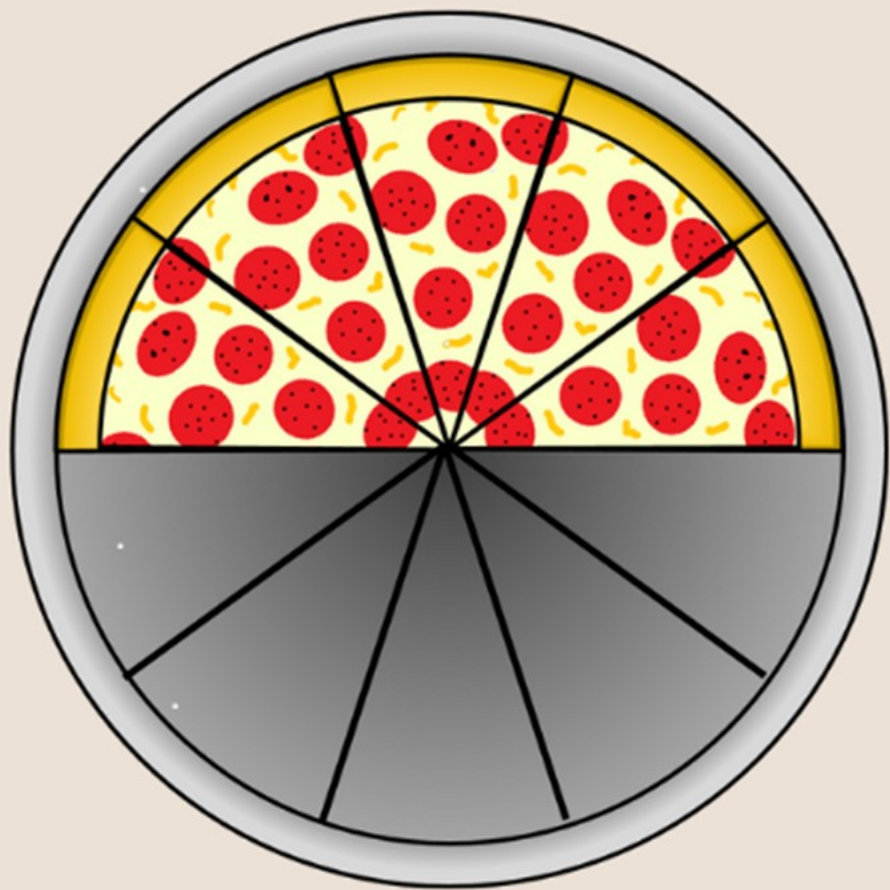
$$.8 < 6$$

The value of a decimal depends on its place, just like with whole numbers.

Concept #7

$$.5 = \frac{1}{2}$$

Decimals and fractions are related, and represent partial numbers.



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

Concept #8

Place Value is
important when
adding and
subtracting decimals.

$$\begin{array}{r} .24 \\ + .7 \\ \hline .94 \end{array}$$