

Recall : Fractions/Decimals → not a whole number.
 → a certain # of parts with respect to a whole.

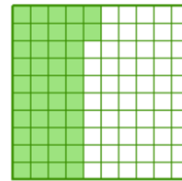
$$\underline{42} \text{¢} = 0.42 \text{ \$}$$

cents

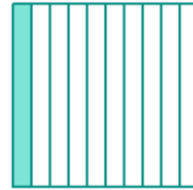
$$\underline{4} \text{¢} = 0.04 \text{ \$}$$

What decimal number is illustrated?

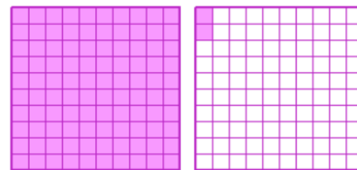
0.42

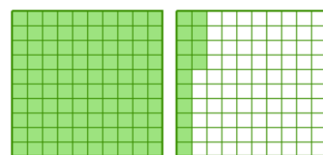
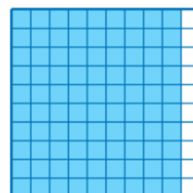
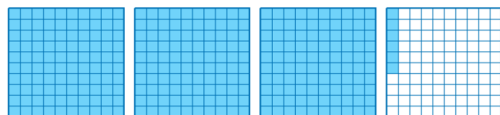
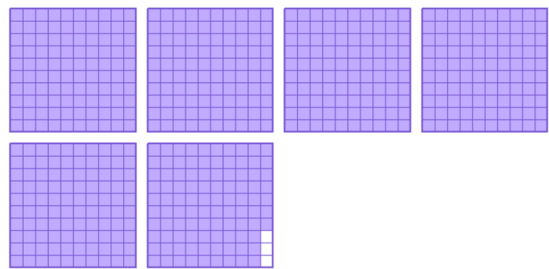


$$\frac{1 \text{ part}}{10 \text{ parts}} \rightarrow 0.1 = \frac{1}{10}$$



1.02





Rounding → Do it properly and only if necessary

e.x. \$ 1.45

Round to the nearest dollar.

\$1

e.x. Round to the nearest tenth.

3. 1 ~~4~~ ~~6~~

3.1

step i. identify place value

1 2 3 . 4 5 6 → thousandth
 ↓ hundredth
 ↑ tenth

one
 . whole
 #
 . unit

step ii. look at digit directly to right. if 5 or more, round up

if less than five, keep same
 {5, 6, 7, 8, 9} → round up
 {4, 3, 2, 1} → keep same

Round to nearest hundredth

i. 49.57 8

49.58

ii. 30.02 5

\$ 30.0 3

\$ 30.0

← Round to the nearest 10th

Round to the nearest thousandth.

i. 0.1999
 0.2

note: when 9 "rounds up"
 it rounds the next
 number to the left up.

ii. 0.0999
 0.099

step i. identify
 place value

1 2 3 . 4 5 6 → thousandth
 ↓ hundredth
 ↑ tenth

one
 whole
 #
 unit

step ii. look at digit directly
 to right. if 5 or more,
 round up {5, 6, 7, 8, 9}

if less than
 five, keep {4, 3, 2, 1}

same