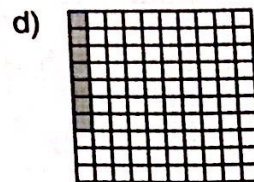
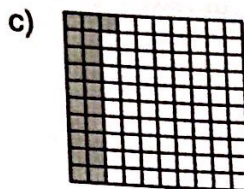
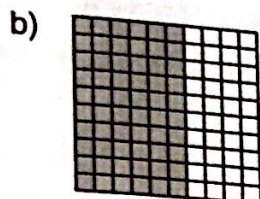
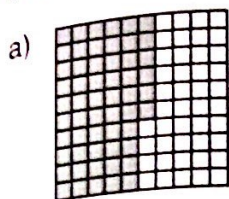


1. Fill in the missing numbers.



tenths	hundredths

tenths	hundredths

tenths	hundredths

tenths	hundredths

$$\frac{\quad}{100} = \cdot \frac{\quad}{\text{tenths}} \frac{\quad}{\text{hundredths}}$$

$$\frac{\quad}{100} = \cdot \underline{\quad} \underline{\quad}$$

$$\frac{\quad}{100} = \cdot \underline{\quad} \underline{\quad}$$

$$\frac{\quad}{100} = \cdot \underline{\quad} \underline{\quad}$$

2. Write the following decimals as fractions.

a) $.5 = \frac{\quad}{10}$

b) $.3 = \frac{\quad}{10}$

c) $.6 = \frac{\quad}{10}$

d) $.2 = \frac{\quad}{10}$

e) $.1 = \frac{\quad}{10}$

f) $.34 = \frac{\quad}{100}$

g) $.59 = \frac{\quad}{100}$

h) $.77 = \frac{\quad}{100}$

i) $.84 = \frac{\quad}{100}$

j) $.31 = \frac{\quad}{100}$

k) $.08 = \frac{\quad}{100}$

l) $.03 = \frac{\quad}{100}$

m) $.09 = \frac{\quad}{100}$

n) $.05 = \frac{\quad}{100}$

o) $.01 = \frac{\quad}{100}$

p) $.7 = \frac{\quad}{\quad}$

q) $.3 = \frac{\quad}{\quad}$

r) $.06 = \frac{\quad}{\quad}$

s) $.8 = \frac{\quad}{\quad}$

t) $.08 = \frac{\quad}{\quad}$

u) $.6 = \frac{\quad}{\quad}$

v) $.46 = \frac{\quad}{\quad}$

w) $.05 = \frac{\quad}{\quad}$

x) $.9 = \frac{\quad}{\quad}$

y) $.6 = \frac{\quad}{\quad}$

3. Change the following fractions to decimals.

a) $\frac{5}{10} = \cdot \underline{\quad}$

b) $\frac{4}{10} = \cdot \underline{\quad}$

c) $\frac{6}{10} = \cdot \underline{\quad}$

d) $\frac{9}{10} = \cdot \underline{\quad}$

e) $\frac{93}{100} = \cdot \underline{\quad} \underline{\quad}$

f) $\frac{8}{100} = \cdot \underline{\quad} \underline{\quad}$

g) $\frac{88}{100} = \cdot \underline{\quad} \underline{\quad}$

h) $\frac{4}{100} = \cdot \underline{\quad} \underline{\quad}$

4. Circle the equalities that are incorrect.

a) $.63 = \frac{63}{100}$

b) $.9 = \frac{9}{10}$

c) $.6 = \frac{6}{100}$

d) $\frac{27}{100} = .27$

e) $\frac{4}{100} = .04$

f) $.7 = \frac{7}{100}$

g) $.64 = \frac{64}{10}$

h) $.75 = \frac{75}{100}$

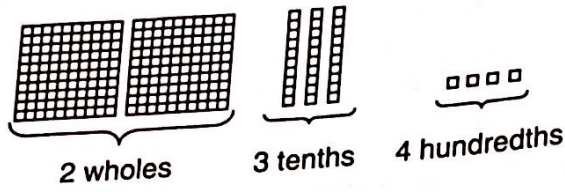
i) $.06 = \frac{6}{100}$

j) $.03 = \frac{3}{10}$

5. Explain how you know $.7$ is equal to $.70$.

NS5-85: Decimals and Fractions Greater Than One

A hundreds block may be used to represent a whole. 10 is a tenth of 100, so a tens block represents a tenth of the whole. 1 is a hundredth of 100, so a ones block represents a hundredth of the whole.



$$2 \frac{34}{100} = 2.34$$

ones hundredths
 ↓ ↓
 2 34
 ↑
 tenths

NOTE: A mixed fraction can be written as a decimal.

1. Write a mixed fraction and a decimal for the base ten models below.

a)

b)

c)

d)

e)

2. Draw a base ten model for the following decimals.

a) 2.52

b) 1.04

3. Write a decimal and a mixed fraction for each of the pictures below.

a)

b)

4. Write a decimal for each of the mixed fractions below.

a) $2 \frac{57}{100} =$

b) $3 \frac{17}{100} =$

c) $5 \frac{3}{10} =$

d) $1 \frac{3}{100} =$

e) $2 \frac{7}{100} =$

f) $19 \frac{9}{10} =$

g) $35 \frac{1}{100} =$

h) $87 \frac{6}{100} =$

5. Which decimal represents a greater number? Explain your answer with a picture.

a) 3 tenths or 3 hundredths?

b) .7 or .07?

c) 1.08 or 1.80?