

1:05 | Decimals

Name: _____

Class: _____

Examples



- 1 decimal place for a fraction over 10
- 2 decimal places for a fraction over 100
- 3 decimal places for a fraction over 1000

Write as decimals.

1 $\frac{7}{20} = \frac{35}{100} (\times 5)$
= 0.35

2 $\frac{143}{1000} = 0.143$

3 $\frac{2}{5} = \frac{4}{10} (\times 2)$
= 0.4

4 $\frac{3}{8} = 3 \div 8$
= 0.375

Write as fractions.

5 $0.24 = \frac{24}{100}$
= $\frac{6}{25}$

6 $0.8 = \frac{8}{10}$
= $\frac{4}{5}$

7 $0.55 = \frac{55}{100}$
= $\frac{11}{20}$

Exercise

1 Write as decimals.

a $\frac{1}{5}$

b $\frac{17}{100}$

c $\frac{3}{10}$

d $\frac{58}{100}$

e $\frac{921}{1000}$

f $\frac{7}{100}$

g $\frac{13}{50}$

h $\frac{9}{10}$

i $\frac{23}{1000}$

j $\frac{11}{25}$

k $\frac{3}{5}$

l $\frac{9}{20}$

m $\frac{72}{100}$

n $\frac{3}{50}$

o $\frac{123}{500}$

p $\frac{5}{8}$

q $\frac{27}{40}$

r $\frac{1}{4}$

s $\frac{54}{125}$

t $\frac{111}{250}$

2 Write as fractions.

a 0.6

b 0.95

c 0.035

d 0.75

e 0.225

f 0.4

g 0.04

h 0.46

i 0.9

j 0.053

k 0.77

l 0.016

m 0.008

n 0.05

o 0.405

p 0.01

q 0.69

r 0.011

s 0.444

t 0.54

Fun Spot 1:05 | Waiter, I'm in a hurry. Will my pizza be long?

Change each fraction to a decimal. Match the letters with the answers.



B $\frac{3}{100}$

D $\frac{7}{50}$

E $\frac{7}{10}$

I $\frac{7}{25}$

L $\frac{3}{20}$

N $\frac{9}{100}$

O $\frac{9}{25}$

R $\frac{7}{8}$

T $\frac{9}{10}$

U $\frac{7}{100}$

W $\frac{9}{20}$

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0.09 0.36

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0.28 0.9

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0.45 0.28 0.15 0.15

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0.03 0.7

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0.875 0.36 0.07 0.09 0.14

1:05 Decimals

1 a 0.2 b 0.17 c 0.3 d 0.58 e 0.921 f 0.07 g 0.26 h 0.9
i 0.023 j 0.44 k 0.6 l 0.45 m 0.72 n 0.06 o 0.246 p 0.625
q 0.675 r 0.25 s 0.432 t 0.444

2 a $\frac{3}{5}$ b $\frac{19}{20}$ c $\frac{7}{200}$ d $\frac{3}{4}$ e $\frac{9}{40}$ f $\frac{2}{5}$ g $\frac{1}{25}$ h $\frac{23}{50}$
i $\frac{9}{10}$ j $\frac{53}{1000}$ k $\frac{77}{100}$ l $\frac{2}{125}$ m $\frac{1}{125}$ n $\frac{1}{20}$ o $\frac{81}{200}$ p $\frac{1}{100}$
q $\frac{69}{100}$ r $\frac{11}{1000}$ s $\frac{111}{250}$ t $\frac{27}{500}$

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