

EX 10.1 Decimal

1. Write the ~~Dec~~ Decimal fractions in words.

(a) $0.9 = \overset{\text{Zero}}{\text{Point nine}}$

(b) $0.7 = \text{Zero point seven}$

(c) $0.083 = \text{Zero point zero eight three}$

(d) $0.014 = \text{Zero point zero one four}$

(e) $0.005 = \text{Zero point zero zero five}$

2. Write the following in fraction and ~~Dec~~ Decimal form.

a. ~~Two~~ two tenths = $\frac{2}{10}$, 0.2

b. Four and five tenths = $4\frac{5}{10}$, 4.5

c. ~~Five~~ Five-hundredths = $\frac{5}{100}$, 0.05

d. Eleven and three hundredths = $11\frac{3}{100}$

(e) Seventy five hundredths = $\frac{75}{100}$, 0.75

(f) Sixteen and three ~~hundredths~~ hundredths = $16\frac{3}{100}$, 16.03

(g) five thousandths = $\frac{5}{1000}$, 0.005

(h) Twenty eight thousandths = $\frac{28}{1000}$, 0.028

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EX 10.4
point Zero three

(f) $0.038 =$ Zero point Zero three eight

(g) $0.0036 =$ Zero point Zero Zero three six

(h) ~~27.075~~ $27.075 =$ Twenty seven point zero seventy five

3. Express the following fractions as decimal fractions

(a) $\frac{12}{100} =$ ~~0.12~~ 0.12

(b) $\frac{37}{100} = 0.37$

(c) $\frac{1}{1000} =$ ~~0.001~~ 0.001

(d) $\frac{35}{1000} = 0.035$

(e) $\frac{112}{1000} = 0.112$

(f) $21 \frac{76}{100} = 21.76$ ~~21.76~~

(g) $112 \frac{9}{10} = 112.9$

4. Write the following as a fraction or mixed numbers. Give the answers in simplified form.

(a) $0.45 = \frac{45}{100}$

(b) $0.124 = \frac{124}{1000}$

(c) $0.049 = \frac{49}{1000}$

(d) $0.055 = \frac{55}{1000}$

(e) $9.05 = \frac{905}{100} = 9 \frac{5}{100}$

(f) $30.09 = \frac{3009}{100} = 30 \frac{9}{100}$

(g) $16.12 = \frac{1612}{100} = 16 \frac{12}{100}$

5. Give the place value to the underlined digit:

(a) $0.\underline{6}7 = \text{Tenths}$

(b) $0.\underline{1}63 = \text{Tenths}$

(c) ~~0.2~~ $0.\underline{2}79 = \text{Hundredths}$

(d) $4.\underline{1}6 = \text{Hundredths}$

(e) $3.\underline{7}84 = \text{Tenths}$

(f) $15.\underline{7}5 = \text{Hundredths}$

(g) $16.\underline{1}2 = \text{Ones}$

EX 10.A

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Write in expanded form.

6. Write in expanded form.

(a) $0.48 = 0 + .4 + .08$

(b) $0.714 = 0 + .7 + ~~0.1~~ + .004$

(c) $1.75 = 1 + .7 + .05$

(d) $23.345 = 20 + 3 + .3 + .04 + .005$

(e) $9.062 = 9 + .0 + .06 + .002$

(f) $52.005 = 50 + 2 + .0 + .00 + .005$

(g) $5.015 = 5 + .01 + .005$

7. Write > or <

(a) $0.46 < 0.5$

(b) $0.008 < 0.1$

(c) $0.76 > 0.09$

(d) $0.48 < 0.7$

(e) $0.125 < 0.507$

(f) $0.009 < 0.04$

EX 10.A

8. Arrange the following in ascending order using the sign <

(a) 0.6, 0.43, 0.7

Ans - $0.43 < 0.6 < 0.7$

(b) 0.014, 0.8, 0.006

Ans - $0.006 < 0.014 < 0.8$

(c) 0.123, 0.321, 0.103

Ans - $0.103 < 0.123 < 0.321$

(d) 0.9, 0.83, 0.8

Ans - $0.83 < 0.8 < 0.9$

(e) 3.46, 1.95, 1.99

Ans - $3.46 < 1.95 < 1.99$

(f) 11.21, 11.211, 11.112

Ans - $11.112 < 11.210 < 11.211$

9. Arrange the following in descending order using the sign >

(a) 0.76, 0.62, 0.67

Ans - $0.76 > 0.67 > 0.62$

(b) 0.25, 0.56, 0.53

Ans - $0.56 > 0.53 > 0.25$

(c) 3.41, 6.83, 1.94

Ans - $6.83 > 3.41 > 1.94$

(d) 0.81, 0.77, 1.05

Ans - $1.05 > 0.81 > 0.77$

(e) 1.16, 6.11, 1.61

Ans - $6.11 > 1.61 > 1.16$

(f) 0.246, 0.426, 0.024

Ans - $0.426 > 0.246 > 0.024$