

Chapter 3: Fractions, decimals and percentages

Skillsheet 3B: Reviewing decimals

Name: _____

1 Write the following as a fraction.

a $0.1 = \underline{\quad}$ b $0.01 = \underline{\quad}$ c $0.001 = \underline{\quad}$ d $0.0001 = \underline{\quad}$

2 Write as a simple fraction.

a $0.2 = \underline{\quad}$ b $0.25 = \underline{\quad}$ c $0.005 = \underline{\quad}$ d $0.55 = \underline{\quad}$

3 Convert the following fractions into decimals.

a $\frac{3}{4} = \underline{\quad}$ b $\frac{2}{5} = \underline{\quad}$ c $\frac{99}{100} = \underline{\quad}$ d $\frac{7}{20} = \underline{\quad}$

4 Write the following as recurring decimals.

a $\frac{1}{3} = \underline{\quad}$ b $\frac{2}{3} = \underline{\quad}$ c $\frac{7}{9} = \underline{\quad}$ d $\frac{1}{6} = \underline{\quad}$

5 If $\frac{1}{8} = 0.125$, write down the decimal for:

a $\frac{3}{8} = \underline{\quad}$ b $\frac{5}{8} = \underline{\quad}$ c $\frac{7}{8} = \underline{\quad}$ d $\frac{9}{8} = \underline{\quad}$

6 Round the following decimals to one decimal place.

a $0.813 \underline{\quad}$ b $0.765 \underline{\quad}$ c $1.239 \underline{\quad}$ d $98.899 \underline{\quad}$

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7 Round the following decimals to two decimal places.

a 0.813 _____ **b** 0.765 _____ **c** 1.239 _____ **d** 98.899 _____

8 Round the following to three decimal places.

a 0.87364 _____ **b** 0.067394 _____ **c** 14.777777 _____ **d** 0.88888 _____

9 Find these sums.

a $2.4 + 6.7 =$ _____ **b** $12.09 + 3.8 =$ _____ **c** $13.674 + 9.076 =$ _____

d $2.56 + 1.63 =$ _____ **e** $125.8 + 24.9 =$ _____ **f** $134 + 13.4 =$ _____

10 Find these differences.

a $12.8 - 4.5 =$ _____ **b** $0.9 - 0.7 =$ _____ **c** $12.6 - 8.9 =$ _____

d $13 - 0.9 =$ _____ **e** $12 - 7.8 =$ _____ **f** $2.99 - 1.23 =$ _____

11 Simplify:

a $6.4 + 1.8 - 0.6 =$ _____ **b** $3.4 - 1.5 - 0.8 =$ _____

c $24.6 + 6.8 - 8.2 =$ _____ **d** $1.2 - 0.9 - 0.3 =$ _____

12 Find the basic numeral for:

a $2.3 \times 10 =$ _____ **b** $4.56 \times 1000 =$ _____ **c** $67.4 \times 100 =$ _____

d $3.4 \div 10 =$ _____ **e** $345.6 \div 100 =$ _____ **f** $0.9 \div 10 =$ _____

13 Find the products.

a $9 \times 0.6 =$ _____ **b** $3.4 \times 2 =$ _____ **c** $0.9 \times 0.8 =$ _____

d $0.06 \times 0.1 =$ _____ **e** $(0.9)^2 =$ _____ **f** $(1.2)^2 =$ _____

g $9 \times 0.02 =$ _____ **h** $0.8 \times 0.5 =$ _____ **i** $(1.2)^2 =$ _____

j $1.2 \times 12 =$ _____ **k** $0.9 \times 9 =$ _____ **l** $(0.06)^2 =$ _____

14 Find:

a $12.6 \div 2 =$ _____ **b** $14.56 \div 4 =$ _____

c $123.06 \div 3 =$ _____ **d** $25.6 \div 4 =$ _____

e $4.5 \div 9 =$ _____ **f** $3.6 \div 2 =$ _____

g $12.84 \div 2 =$ _____ **h** $18.09 \div 3 =$ _____

15 Find:

a $0.8 \div 0.4 =$ _____ **b** $4.2 \div 0.7 =$ _____

c $0.88 \div 0.11 =$ _____ **d** $0.045 \div 0.9 =$ _____

e $1.24 \div 0.2 =$ _____ **f** $3.45 \div 0.5 =$ _____

g $24.56 \div 0.02 =$ _____ **h** $8.008 \div 0.4 =$ _____

i $0.098 \div 0.01 =$ _____ **j** $35 \div 0.07 =$ _____