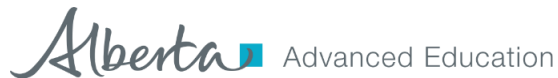# Foundational Numeracy

$13.25

Module 4: Decimals

Pre-Tests, Final Module Quiz, and Answer Key

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Developed for Alberta's Community Adult Learning Program

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Unit 1 Pre-Test

Name: _____

1. Identify the digit in the stated place 0.736529

    a. Thousandths place   _____

    b. Ten thousandths place   _____

2. Round 0.786549 to the stated place.

    a. Hundredths place   _____

    b. Ten thousandths place   _____

3. Write the decimal number 18.57 in words.

4. Write the number **five thousand twenty-seven and sixty-three thousandths** in decimal form.

5. Compare the pairs of numbers using >, <, or =

    a. 8.57   8.756

    b. 2.61   2.610

6. Write the numbers in descending order (largest to smallest).

    1.5, 1.55, 1.466

7. Indicate the approximate locations of these decimals on the number line below:

   2.75   2.2   0.6   1.5

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   0            1            2            3
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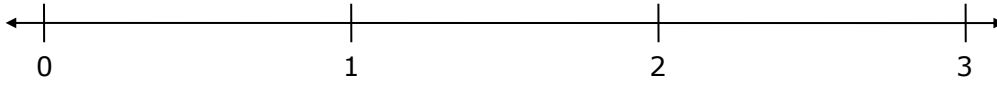
Unit 2 Pre-Test

Name: _____

Solve the following equations and word problems.

1. 35.45 + 39.11

2. 5.2 + 7.38

3. 2.65 + 3.075 + 26.1

4. 32.6+ 256.08 + 4 226.035

5. 5.683 – 1.141

6. 6.26 – 3.42

7. 9.339 – 3.967

8. 45 – 18.047

9. A student worked 5.3 hours, 2.75 hours, and 14 hours over a three-day period. How many hours did she work altogether?

10. The student in Question 9 wants to work 28 hours per week. How many more hours must she work to achieve her goal of 28 hours?

Unit 3 Pre-Test

Name: _____

Solve the following equations and word problems. **Round to the nearest thousandth as necessary.**

1. 0.8×0.3

2. 3.8×6.29

3. 5.634×100

4. $4.16 \div 8$

5. $0.36 \div 0.5$

6. $63.7 \div 1\ 000$

7. $5 \div 0.93$

8. $\dfrac{1}{4}$

9. Chris drinks (2.5) a cups of coffee every day for a year (365 days). How many cups of coffee did Chris drink in one year?

10. A block of butter is 454 g (grams). If you cut it into 12 pieces, how many grams is each piece? **Round your answer to the nearest tenth**.

Module 4: Final Module Quiz

Name: _____

1. Write the following numbers in words:

    a. 8.06

    b. 59.472

2. Write the following numbers in numerals:

    a. eighty-six and three tenths   _____

    b. fifteen and eleven thousandths   _____

3. Indicate the approximate locations of these decimal numbers on the number line below:

    2.25   2.8   0.4   1.75
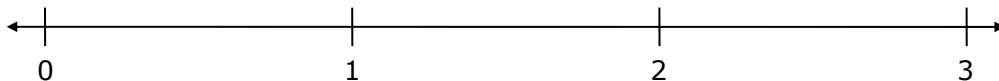
4. Arrange the numbers in ascending order (smallest to largest).

    5.6, 5.55, 5.492, 5.50

5. Solve the following equations. Show all your work. **Round to the nearest thousandth where necessary.**

    a. $43.6 + 216.04$ b. $2.2 + 32.07 + 64$

   c. $47.5 - 8.24$

   d. $500 - 8.2$

   e. $416.3 - 37.045$

   f. 5.15×16

   g. 45.3×2.6

   h. 111.11×1.1

   i. 7.523×100

   j. $8\overline{)3.13}$

   k. $6 \div 1.1$

   l. $183.7 \div 0.04$

   m. $253.7 \div 100$

   n. $\dfrac{9}{5}$

Complete the following word problems. Remember to write your answers in sentence form.

6. Neil is buying gas for his truck. Gas costs $1.143 per litre (L), and his truck can hold 80 L. How much will it cost to completely fuel the truck?

7. Ann is building a wooden table. The piece of wood she has for the tabletop is 1.05 cm thick, but it has several dents and scratches in it. Ann sands the tabletop down until it's perfectly smooth. When she's finished sanding, the wood is only 0.876 cm thick. How much thickness did she remove?

8. Chantelle is preparing ice cream sundaes. She has 102 grams of sprinkles, and wants to share them equally among 8 sundaes. How many grams of sprinkles will each sundae get?

9. Aaron weighed 186.4 pounds at his last medical check-up. He has gained 1.8 pounds since then. How much does he weigh now?

10. Deanna takes tablets for her high blood pressure. Each tablet has 2.5 milligrams of medication. She takes two tablets in the morning, two in the afternoon, and two before bed. How many milligrams of medication does Deanna take in a day?

Answer Key

Unit 1 Pre-Test

1. a. 6   b. 5

2. a. 0.79   b. 0.7865

3. eighteen and fifty-seven hundredths

4. 5 027.063

5. a. <   b. =

6. 1.55, 1.5, 1.466

7.

Unit 2 Pre-Test

1. 74.56   2. 12.58   3. 31.825   4. 4 514.715

5. 4.542   6. 2.84   7. 5.372   8. 26.953

9. She worked 22.05 hours.

10. She needs to work 5.95 more hours.

Unit 3 Pre-Test

1. 0.24   2. 23.902   3. 563.4   4. 0.52

5. 0.72   6. 0.064   7. 5.376   8. 0.25

9. He drinks 912.5 cups of coffee in one year.

10. Each piece weighs 37.8 grams.

Final Module Quiz

1. a.   eight and six hundredths

    b.   fifty-nine and four hundred seventy-two thousandths

2. a.   86.3   b.   15.011

3.

4.   5.492, 5.50, 5.55, 5.6

5. a.   259.64   b.   98.27   c.   39.26   d.   491.8

    e.   379.255   f.   82.4   g.   117.78   h.   122.221

    i.   752.3   j.   0.391   k.   5.455   l.   4 592.5

    m. 2.537   n.   1.8

6.   It will cost him $91.44 to fuel his truck.

7.   Ann removed 0.174 cm of thickness.

8.   Each sundae gets 12.75 grams of sprinkles.

9.   Aaron now weighs 188.2 pounds.

10. Deanna takes 15 milligrams of medication in a day.