Dividing Decimals

Decimals

Name: _____ Date: _____ Grade 6

1. Select all the expressions that are equivalent to 48 ÷ 10.

- ☐ **A.** 4.8 ÷ 1
- ☐ **B.** 480 ÷ 100
- ☐ **C.** 0.48 ÷ 10
- ☐ **D.** 480 ÷ 1,000
- ☐ **E.** 4,800 ÷ 1,000

2. Select all the expressions that are equivalent to 3,600 ÷ 40.

- ☐ **A.** 360 ÷ 4
- ☐ **B.** 36 ÷ 0.4
- ☐ **C.** 3.6 ÷ 0.04
- ☐ **D.** 36 ÷ 4
- ☐ **E.** 360 ÷ 0.4

3. Calculate 734.5 ÷ 5. Show or explain your thinking.

4. Calculate 3,866.4 ÷ 6. Show or explain your thinking.

5. Use long division to find each quotient.

a 18.6 ÷ 24

b 9.48 ÷ 4

c 63 ÷ 0.5

6. Think about the expression 96 ÷ 2.4.

a Write a related expression with the same value that uses only whole numbers. Explain your thinking.

b Evaluate your expression. _____

7. Dev paid $45.72 for six 1-pound containers of trail mix. How much does each container cost? Show your thinking.

8. Lin used long division to find 56 ÷ 1.4. She got 0.4. Is Lin correct? Explain your thinking.

Lin's answer

56 ÷ 1.4 = 0.4