

Decimal Detectives Answer Key

1. Add. Combine two costs. \$7.15
2. Subtract. Find what is left. 4.75 m
3. Multiply. Equal groups. 5.00 cups
4. Divide. Share equally. 1.2 L
5. Add. Combine distances. 6.25 miles
6. Divide. Find the number of equal pieces. 8 pieces
7. Subtract. Find what remains. 10.65 kg
8. Multiply. Equal groups. 2.10 L

Teacher's Guide

- Implementation tips
 - o Review clue words such as "altogether," "left," "each," and "equally" before students begin.
 - o Encourage students to identify the operation before calculating.
- Differentiation strategies
 - o Allow students to underline important numbers and clue words.
 - o Challenge advanced students to write a matching real-world problem for each operation.
- Engagement ideas
 - o Have students compare answers with a partner and explain why they selected each operation.
 - o Turn each problem into an "Operation Detective" discussion where students defend their choices.
- Extension activities
 - o Ask students to create one decimal word problem for each of the four operations.
 - o Have students estimate each answer before solving and compare the estimate with the exact answer.