

Answer Key

Challenge: Skills and Applications

1. $0.55x$, $(0.75)3 + 0.4(x - 3)$ 2. $0.55x = (0.75)3 + 0.4(x - 3)$; 7 3. 7 lb of rice costs the same at both stores. 4. 3.85; 7 lb of rice costs \$3.85 at both stores. 5. Rice is cheaper at the first store for less than 7 pounds and at the second store for more than 7 pounds.

6–9. Check students' work. The types of problems for which diagrams can be helpful include layout problems and distance problems, such as the ones in Lesson 3.5.