

Unit 3 Test

Name: _____

Multiply and Dividing Fractions and Decimals using Models

Multiply these fractions and draw a model to show it.

1. $\frac{4}{5} \times 7\frac{6}{7} =$

2. $2\frac{1}{3} \text{ of } \frac{4}{5} =$

3. $\frac{1}{2} \text{ of } \frac{3}{5} =$

4. $2\frac{1}{5} \text{ of } 5\frac{3}{5} =$

5. $\frac{3}{10}$ of $\frac{2}{3}$ =

Multiply the following decimal problems.

6. 4.232×80.24 =

7. 15.829×4.902 =

8. 16.87×11.2889 =

Divide the following decimal problems.

9. $0.61 \div 8$ =

10. $4.2 \div 1$ =

11. $0.35 \div 9 =$

12. $0.74 \div 5 =$

13. Scott High School is holding a fundraiser and plans to use $\frac{1}{2}$ of the money collected to build a new library. Of the money directed towards building the new library, $\frac{1}{3}$ will go towards purchasing computers. What fraction of the money raised will go towards purchasing computers for the library?

14. Of the students on the track team, $\frac{1}{2}$ do jumping events. Of the students who do jumping events, $\frac{3}{5}$ do the long jump. What fraction of the students on the track team do the long jump?

