Dividing Fractions

Practice worksheet · KS3

Name: _____ Date: _____

1. $\frac{1}{3} \div \frac{1}{6} =$

2. $\frac{3}{4} \div \frac{1}{8} =$

3. $\frac{2}{3} \div \frac{1}{3} =$

4. $\frac{4}{5} \div \frac{1}{10} =$

5. $\frac{2}{3} \div \frac{4}{5} =$

6. $\frac{3}{7} \div \frac{2}{3} =$

7. $\frac{2}{5} \div \frac{3}{5} =$

8. $\frac{3}{8} \div \frac{3}{4} =$

9. $\frac{5}{6} \div \frac{5}{12} =$

10. $\frac{8}{9} \div \frac{2}{9} =$

11. $\frac{4}{9} \div \frac{2}{3} =$

12. $\frac{3}{5} \div 2 =$

13. $\frac{6}{7} \div 3 =$

14. $1\frac{1}{2} \div \frac{3}{4} =$

★ stretch

15. A bottle holds 9/10 of a litre of smoothie. A cup holds 3/10 of a litre. How many cups can you fill?

★ stretch

16. After a party, 5/6 of a cake is left. It's shared equally between 5 friends. What fraction of the whole cake does each friend get?

★ stretch

Answers

Dividing Fractions · keep, change, flip

1. $\frac{1}{3} \div \frac{1}{6} = \frac{1}{3} \times \frac{6}{1} = 2$

2. $\frac{3}{4} \div \frac{1}{8} = \frac{3}{4} \times \frac{8}{1} = 6$

3. $\frac{2}{3} \div \frac{1}{3} = \frac{2}{3} \times \frac{3}{1} = 2$

4. $\frac{4}{5} \div \frac{1}{10} = \frac{4}{5} \times \frac{10}{1} = 8$

5. $\frac{2}{3} \div \frac{4}{5} = \frac{2}{3} \times \frac{5}{4} = \frac{5}{6}$

6. $\frac{3}{7} \div \frac{2}{3} = \frac{3}{7} \times \frac{3}{2} = \frac{9}{14}$

7. $\frac{2}{5} \div \frac{3}{5} = \frac{2}{5} \times \frac{5}{3} = \frac{2}{3}$

8. $\frac{3}{8} \div \frac{3}{4} = \frac{3}{8} \times \frac{4}{3} = \frac{1}{2}$

9. $\frac{5}{6} \div \frac{5}{12} = \frac{5}{6} \times \frac{12}{5} = 2$

10. $\frac{8}{9} \div \frac{2}{9} = \frac{8}{9} \times \frac{9}{2} = 4$

11. $\frac{4}{9} \div \frac{2}{3} = \frac{4}{9} \times \frac{3}{2} = \frac{2}{3}$

12. $\frac{3}{5} \div 2 = \frac{3}{5} \times \frac{1}{2} = \frac{3}{10}$

13. $\frac{6}{7} \div 3 = \frac{6}{7} \times \frac{1}{3} = \frac{2}{7}$

14. $1\frac{1}{2} \div \frac{3}{4} = \frac{3}{2} \times \frac{4}{3} = 2$

15. $\frac{9}{10} \div \frac{3}{10} = \frac{9}{10} \times \frac{10}{3} = 3$

16. $\frac{5}{6} \div 5 = \frac{5}{6} \times \frac{1}{5} = \frac{1}{6}$