

Dividing Fractions

Practice worksheet · KS3 · Years 7 to 9

Name: _____

Date: _____

Work out each answer and give it in its simplest form.

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

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

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

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

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

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

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

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

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

13. $1\frac{1}{2} \div \frac{3}{4} =$

stretch

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

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

stretch

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

15. A ribbon $\frac{3}{4}$ of a metre long is cut into pieces $\frac{1}{8}$ of a metre long. How many pieces are there?

stretch

8. $\frac{7}{8} \div \frac{1}{4} =$

16. You have $\frac{2}{3}$ of a pizza, split into portions of $\frac{1}{6}$ of a pizza each. How many portions is that?

stretch

Answers

Dividing Fractions · keep, change, flip

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

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

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

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

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

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

7. $\frac{5}{6} \div \frac{2}{3} = \frac{5}{6} \times \frac{3}{2} = 1 \frac{1}{4}$

8. $\frac{7}{8} \div \frac{1}{4} = \frac{7}{8} \times \frac{4}{1} = 3 \frac{1}{2}$

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

10. $\frac{4}{5} \div \frac{2}{3} = \frac{4}{5} \times \frac{3}{2} = 1 \frac{1}{5}$

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

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

13. $1 \frac{1}{2} \div \frac{3}{4} = \frac{3}{2} \times \frac{4}{3} = 2$

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

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

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