



Math Study Strategies

Math for Sewing

Dividing Fractions

Example Problem

What is $1\frac{3}{4} \div \frac{3}{8}$?

To divide fractions, follow these steps:

Step 1

Change all mixed numbers to improper fractions.

$$1\frac{3}{4} = \frac{7}{4}$$

Step 2

Invert the divisor (using the reciprocal).

$$\frac{3}{8} \rightarrow \frac{8}{3}$$

Step 3

Change the division sign to a multiplication sign.

$$\frac{7}{4} \times \frac{8}{3}$$

Step 4

Cancel if possible.

$$\frac{7}{\cancel{4}_1} \times \frac{\cancel{8}^2}{3}$$

Step 5

Multiply straight across.

$$\frac{7}{1} \times \frac{2}{3} = \frac{14}{3}$$

Step 6

Reduce the answer to lowest terms (if possible) or express it as a mixed number.

$$4\frac{2}{3}$$

Visual Representation

