

An open book with a pink bookmark is shown on the left side of the image. The pages contain mathematical problems. The right page features a division problem: $\frac{1}{2}$ and $192 \over 13-1$. The left page has some text that is partially obscured by the bookmark.

Dividing Decimals with Up to 2 Decimal Places

This module focuses on dividing decimals with up to 2 decimal places, a crucial skill for everyday life.



Dividing Decimals by Whole Numbers

Step 1	Place the decimal point in the quotient directly above the decimal point in the dividend.
Step 2	Divide as in whole numbers.
Step 3	Insert zeroes to the dividend when needed.



Dividing Decimals with Up to 2 Decimal Places

1

Step 1

Multiply both the divisor and the dividend by 100.

2

Step 2

Divide the decimals as you do with whole numbers.

3

Step 3

Check: Multiply the quotient and the divisor, the answer must be equal to the dividend.

Example: Dividing Decimals

1

Step 1

Multiply the divisor by 100 to make it a whole number.

2

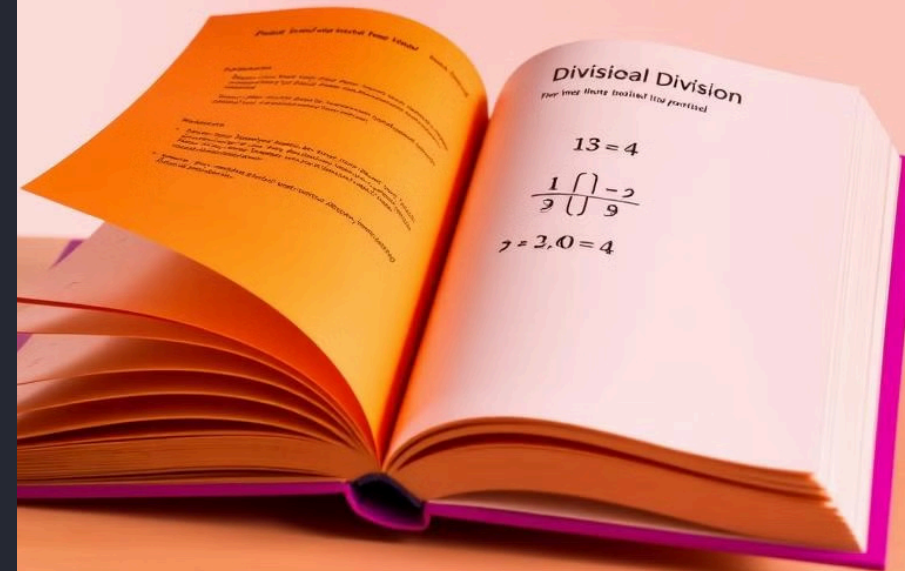
Step 2

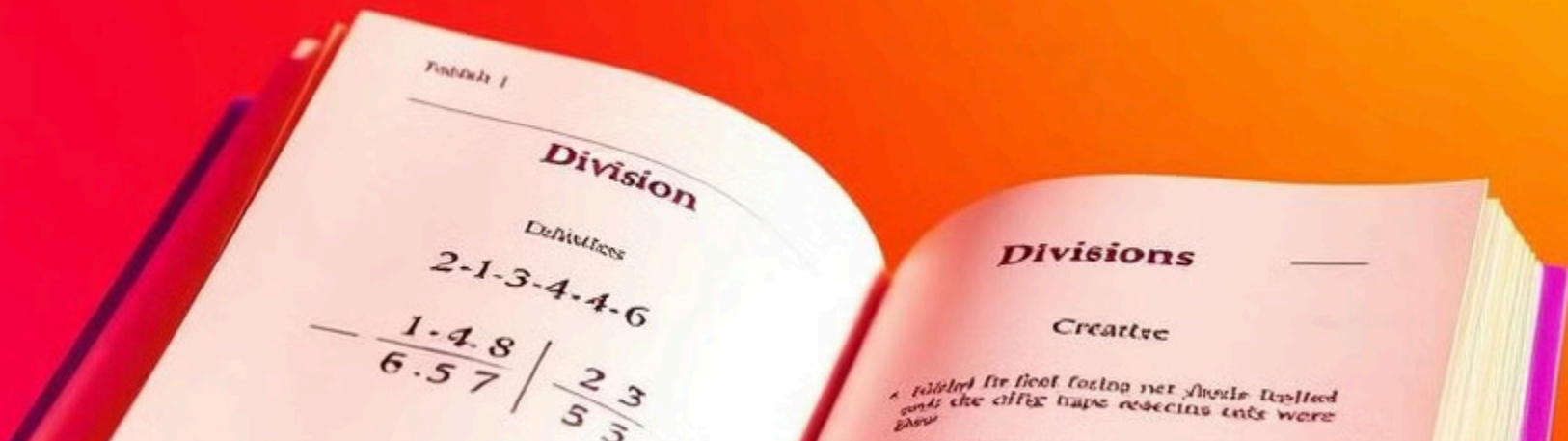
Multiply the dividend by 100.

3

Step 3

Divide the new dividend by the new divisor.





Dividing Decimals with Different Decimal Places

To divide decimals with different decimal places, multiply the divisor by as many 10's as necessary until it becomes a whole number. Multiply the dividend by the same number of 10's.

Independent Activity 1

1. $0.24 \div 0.06 =$

2. $0.56 \div 0.08 =$

3. $0.88 \div 0.11 =$

4. $4.55 \div 0.05 =$

5. $6.96 \div 0.35 =$



Independent Activity 2

1)	$104.88 \div 0.38 = 276$	
2)	$243.75 \div 0.75 = 325$	
3)	$113.40 \div 0.18 = 630$	
4)	$1\,472.50 \div 9.5 = 155$	
5)	$350 \div 1.25 = 280$	

What I Have Learned



Step 1

Make both the divisor and dividend a whole number by multiplying by 100 or moving the decimal points 2 places to the right.



Step 2

Divide just like dividing whole numbers.



Step 3

Place the decimal point in the quotient directly above the decimal point in the dividend.

