

Grade 5 - Multiplying and Dividing Decimals - Worksheet

Common Core 5.NBT.B.7 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

These 20 problems practice multiplying and dividing decimals to hundredths, as listed in standard 5.NBT.B.7. The first problems use models and basic place value. Later problems divide by whole numbers and by decimals.

The last six problems are word problems about shopping, ribbon, trails, and gardens. Show every step and check each answer with an estimate.

Grade 5 · Common Core State Standards: **5.NBT.B.7**

Exercise 1 - Tenths times a whole number

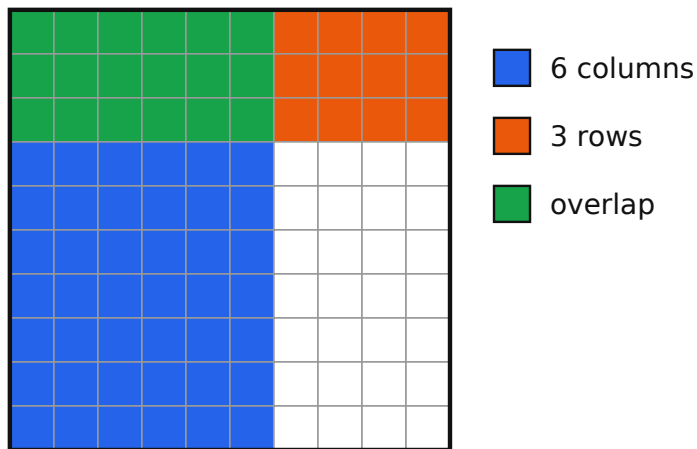
Multiply: 0.7×6 .

Exercise 2 - Hundredths times a whole number

Find 0.06×7 .

Exercise 3 - Product from a model

Write the multiplication sentence shown by the grid. Find the product.



The whole grid is 1. Each small square is 0.01.

Exercise 4 - Decimal times tenths

Calculate 4.2×0.5 .

Exercise 5 - Two decimal factors

Find 3.6×2.4 .

Exercise 6 - Hundredths and tenths

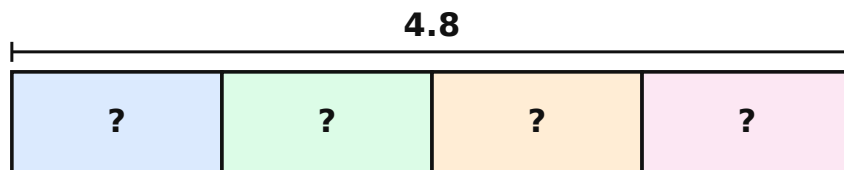
Multiply: 0.25×0.4 .

Exercise 7 - Zeros in the product

Find 0.05×0.2 .

Exercise 8 - Divide tenths by a whole number

The tape diagram shows 4.8 shared into 4 equal parts. Find the value of one part.



Each of the 4 equal parts has the same value.

Exercise 9 - Divide hundredths by a whole number

Find $7.56 \div 6$.

Exercise 10 - Quotient less than 1

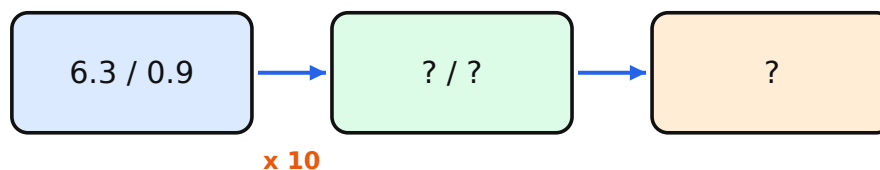
Divide: $0.72 \div 9$.

Exercise 11 - Keep dividing with zeros

Calculate $9.3 \div 5$.

Exercise 12 - Divide by tenths

Find $6.3 \div 0.9$. Multiply both numbers by the same power of 10 first.



Complete the boxes.

Exercise 13 - Divide by hundredths

Find $1.44 \div 0.12$.

Exercise 14 - Decimal divided by decimal

Calculate $0.72 \div 0.4$.

Exercise 15 - Apples at the market

Maya buys 3.5 pounds of apples at the farmers market. Apples cost \$1.80 per pound. Find the total cost.

Farmers Market	
Apples, 3.5 lb	\$1.80 per lb
Total	?

Maya buys 3.5 pounds of apples.

Exercise 16 - Ribbon for bows

Sofia cuts 12 pieces of ribbon for bows. Each piece is 0.65 yard long. She starts with a 10-yard roll. How many yards of ribbon are left?

Exercise 17 - Unit price

Ethan pays \$14.40 for 1.8 pounds of trail mix. Find the price of 1 pound.

Exercise 18 - Movie tickets

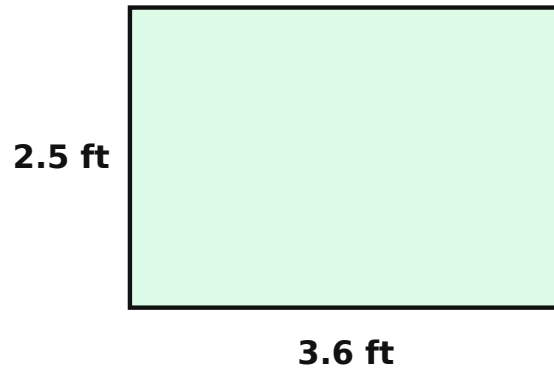
Priya buys 4 movie tickets for \$8.75 each. She pays with two \$20 bills. How much change does she get?

Exercise 19 - Trail markers

A park trail is 5.4 miles long. Diego puts a sign every 0.45 mile along the trail. How many equal sections does the trail have?

Exercise 20 - Garden soil

Aisha's garden bed is a rectangle 3.6 feet wide and 2.5 feet long. Soil costs \$0.75 per square foot. Find the area of the bed and the cost to cover it.



Aisha's garden bed.