

Grade 5 · Operations with Decimals · Worksheet

Common Core 5.NBT.B.7 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

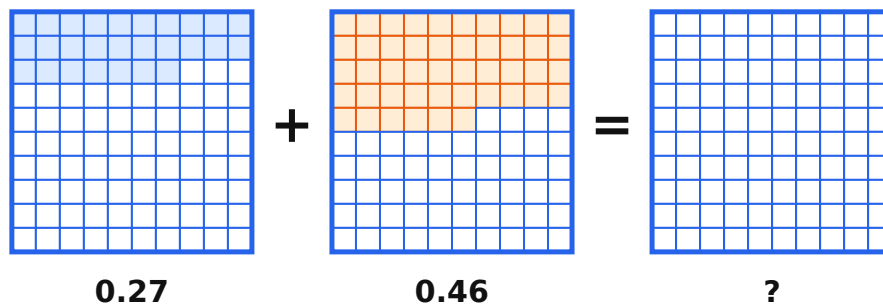
These 23 problems practice adding, subtracting, multiplying and dividing decimals to hundredths, the skill described by standard 5.NBT.B.7. Early problems use grids, strips and number lines to show why the methods work.

Later problems use place value, estimation, and real contexts such as money, distance and time. Show every step, line up decimal points, and check each answer with an estimate or an inverse operation.

Grade 5 Common Core: 5.NBT.B.7

Problem 1: Add on a hundredths grid

The grids show two decimals. Find the sum.



Blue shows 0.27 and orange shows 0.46.

Problem 2: Add tenths and hundredths

Find each sum.

- a. $0.6 + 0.7$
- b. $0.45 + 0.38$
- c. $1.25 + 0.9$
- d. $3.07 + 2.68$

Problem 3: Line up and add

Line up the decimal points and add.

- a. $12.5+3.75$
- b. $8.06+14.9$
- c. $25+4.38$
- d. $19.99+0.01$

Problem 4: Subtract tenths and hundredths

Find each difference.

- a. $0.9-0.4$
- b. $1-0.37$
- c. $0.82-0.57$
- d. $2.4-0.65$

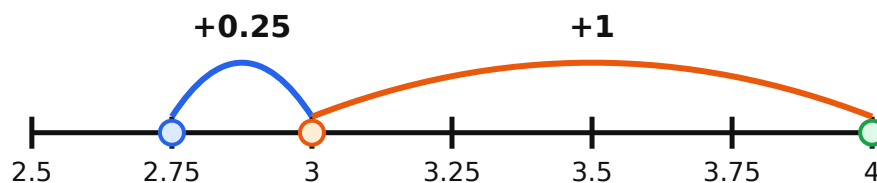
Problem 5: Line up and subtract

Line up the decimal points and subtract.

- a. $15.3-6.75$
- b. $40-12.86$
- c. $9.05-3.9$
- d. $20.5-8.37$

Problem 6: Subtract with jumps

The number line shows jumps from 2.75 up to 4. Find $4-2.75$.



Two jumps from 2.75 to 4.

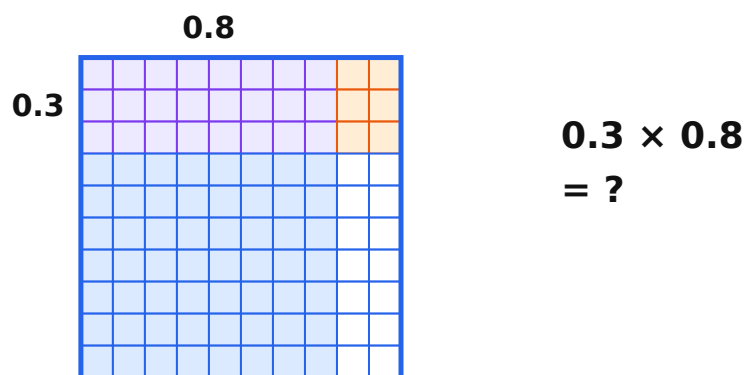
Problem 7: Find the missing number

Find the number that makes each equation true.

- a. $? + 3.4 = 7.15$
- b. $5.2 + ? = 9.04$
- c. $? - 2.6 = 4.45$
- d. $12 - ? = 5.35$

Problem 8: Multiply on a grid

The grid models a product. Find 0.3×0.8 .



Rows show 0.3 and columns show 0.8.

Problem 9: Multiply by a whole number

Find each product.

- a. 0.3×4
- b. 0.25×6
- c. 1.4×5
- d. 2.35×4

Problem 10: Multiply decimals

Find each product.

- a. 0.5×0.6
- b. 1.2×0.3
- c. 0.9×0.9
- d. 4.6×0.5

Problem 11: Place the decimal point

Use the fact $25 \times 16 = 400$ to find each product.

- a. 2.5×1.6

- b. 0.25×16
- c. 2.5×0.16

Problem 12: Estimate, then multiply

Estimate each product by rounding to whole numbers, then find the exact product.

- a. 4.9×3.1
- b. 6.1×2.9

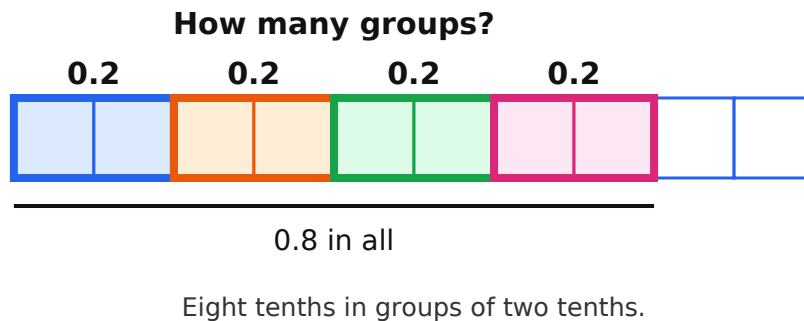
Problem 13: Divide by a whole number

Find each quotient.

- a. $4.8 \div 4$
- b. $0.96 \div 8$
- c. $7.5 \div 5$
- d. $13.2 \div 6$

Problem 14: Divide with strips

The strip shows 0.8 split into groups of 0.2. Find $0.8 \div 0.2$.



Problem 15: Divide by a decimal

Find each quotient.

- a. $3.6 \div 0.9$
- b. $4.5 \div 0.5$
- c. $7.2 \div 0.06$
- d. $0.84 \div 0.12$

Problem 16: Divide to hundredths

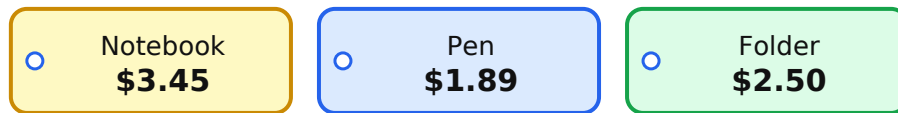
Find each quotient. Write a decimal, not a remainder.

- a. $9 \div 4$
- b. $5.1 \div 6$
- c. $12.6 \div 0.4$
- d. $14.7 \div 0.7$

Problem 17: Back-to-school supplies

Maya buys the three items shown at the school store and pays with a \$10 bill.

- a. Find the total cost.
- b. Find her change.



School store prices.

Problem 18: Training miles

Jamal runs 2.4 miles on Monday, 3.15 miles on Tuesday, and 1.85 miles on Wednesday. His goal for the week is 10 miles.

- a. How many miles has he run so far?
- b. How many more miles does he need to reach his goal?

Problem 19: Farmers market

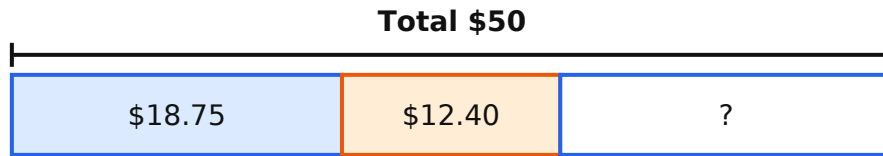
Sofia buys 3.5 pounds of apples at \$1.80 per pound and 2.25 pounds of grapes at \$2.40 per pound. Find the total cost.

Problem 20: Ribbon pieces

Ethan has a ribbon that is 18.75 feet long. He cuts it into pieces that are each 0.75 foot long. How many pieces does he get?

Problem 21: Birthday money

Aisha has \$50. She spends \$18.75 on a book and \$12.40 on lunch. How much money does she have left?



Aisha starts with \$50.

Problem 22: Gas prices

Diego pays \$41.58 for 12.6 gallons of gas.

- a. Find the price per gallon.
- b. At the same price, find the cost of 8.5 gallons.

Problem 23: Relay team

Four swimmers on a relay team have times of 25.8, 26.45, 24.9, and 27.15 seconds. The team goal is a total of 100 seconds. By how many seconds does the team miss the goal?