

Grade 4 · Decimal Fractions and Decimal Notation · Worksheet

Common Core 4.NF.C.5, 4.NF.C.6, 4.NF.C.7 · mathovore.fr

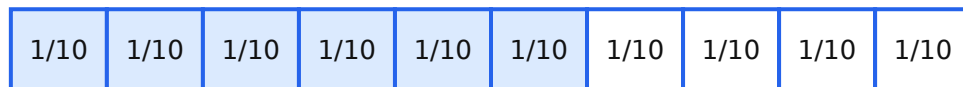
Name: _____ Date: ____/____/____ Score: _____

These 24 problems practice decimal fractions and decimal notation (4.NF.C.5, 4.NF.C.6, 4.NF.C.7). You will connect tenths and hundredths to fractions and grids, add fractions with denominators 10 and 100, and compare decimals. The last six problems are word problems.

Grade 4 Common Core: 4.NF.C.5 · 4.NF.C.6 · 4.NF.C.7

Problem 1: Shaded tenths

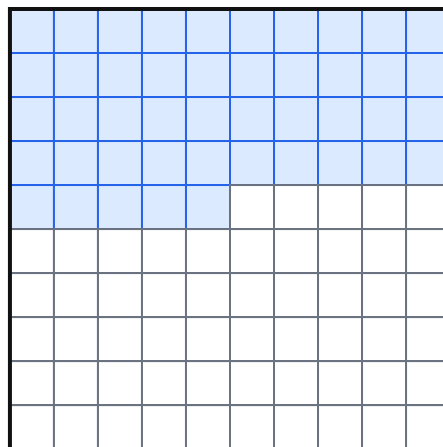
Write the shaded part as a fraction and as a decimal.



Six of ten equal parts are shaded.

Problem 2: Shaded hundredths

Write the shaded part of the grid as a fraction and as a decimal.



45 of 100 squares are shaded.

Problem 3: Tenths to decimal

Write $\frac{8}{10}$ as a decimal.

Problem 4: Decimal to tenths

Write 0.9 as a fraction.

Problem 5: Hundredths to decimal

Write $\frac{23}{100}$ as a decimal.

Problem 6: Decimal to hundredths

Write 0.07 as a fraction.

Problem 7: Tenths as hundredths

Write $\frac{4}{10}$ as a fraction with denominator 100, then as a decimal.

Problem 8: Decimal as hundredths

Fill in the blank: $0.6 = \frac{\quad}{100}$.

Problem 9: Place value chart

Name the value of each digit in 5.38.

Ones	Tenths	Hundredths
5	3	8

The decimal point separates ones from tenths.

Problem 10: Expanded form

Write $2 + \frac{4}{10} + \frac{9}{100}$ as a decimal.

Problem 11: Tenths plus hundredths

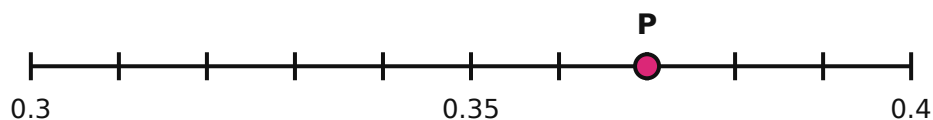
Find $\frac{3}{10} + \frac{5}{100}$. Write the sum as a fraction and as a decimal.

Problem 12: Adding fractions with different denominators

Find $\frac{2}{10} + \frac{4}{100}$. Write the sum as a decimal.

Problem 13: Point on a number line

Write the decimal for point P.



The tick marks are hundredths.

Problem 14: Compare 0.4 and 0.38

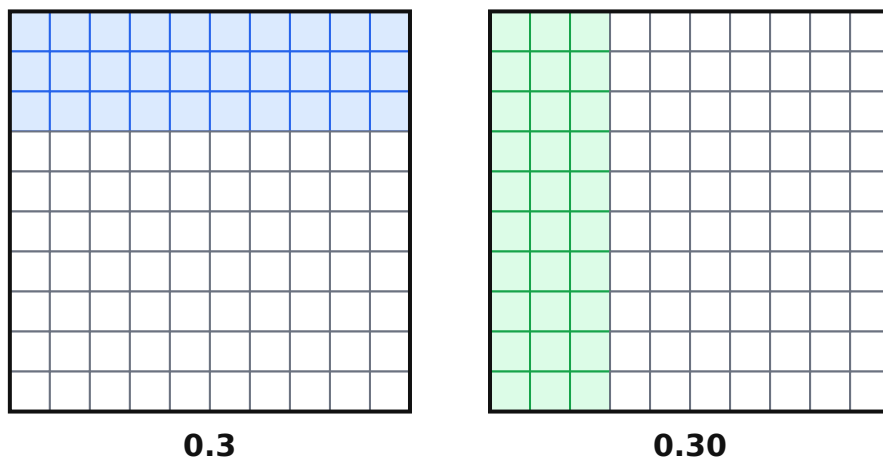
Write $<$, $>$, or $=$ to compare 0.4 and 0.38 .

Problem 15: Compare 0.09 and 0.9

Write $<$, $>$, or $=$ to compare 0.09 and 0.9 .

Problem 16: Same amount?

Noah says 0.3 and 0.30 are different because 0.30 has more digits. Is he correct? Use the grids.



Left: 3 tenths. Right: 30 hundredths.

Problem 17: Order four decimals

Write 0.5, 0.45, 0.54, and 0.05 in order from least to greatest.

Problem 18: Dimes and pennies

Sofia has 3 dimes and 6 pennies. Write her money as a fraction of a dollar and as a decimal amount in dollars.

Problem 19: Who ran farther?

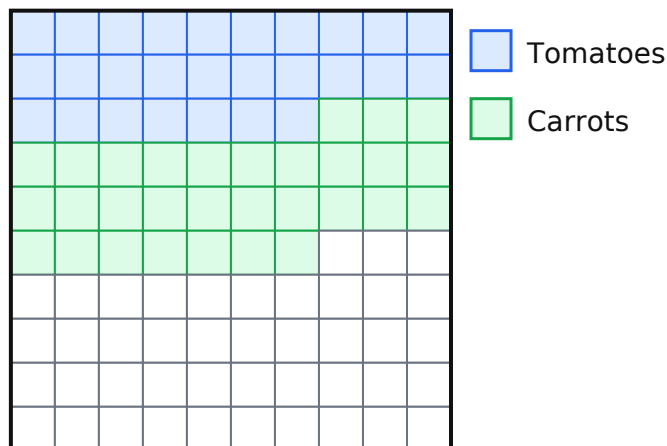
Ethan ran 0.7 mile. Jamal ran 0.65 mile. Who ran farther?

Problem 20: Rainy days

It rained 0.3 inch on Monday and 0.28 inch on Tuesday. Which day had more rain? How much rain fell in all? Use fractions to add.

Problem 21: School garden

A garden has 100 equal squares. Diego plants tomatoes in 27 squares and carrots in $\frac{31}{100}$ of the squares. Write the part of the garden planted with each crop as a decimal. Which crop covers more? What decimal part is planted in all?



Problem 22: Bike rides in order

Priya bikes 0.8 mile on Monday, 0.75 mile on Tuesday, and 0.08 mile on Wednesday. List the distances from shortest to longest. Write the longest distance as a fraction.

Problem 23: Bake sale cookies

At a bake sale, $\frac{31}{100}$ of the 100 cookies were chocolate chip and $\frac{24}{100}$ were oatmeal. Write each part as a decimal, tell which kind there were more of, and find the decimal part of the cookies that were one of these two kinds.

Problem 24: Ribbon for a gift

Priya has $\frac{7}{10}$ yard of red ribbon and $\frac{15}{100}$ yard of blue ribbon. She needs 0.9 yard to wrap a gift. Does she have enough? If not, how much more does she need?