

Grade 6 · Percents · Worksheet

Common Core 6.RP.A.3c · mathovore.fr

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

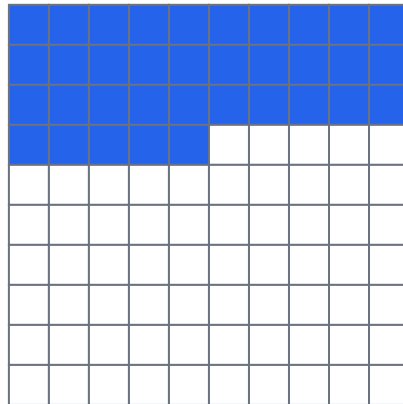
These 20 problems practice percents from standard 6.RP.A.3c. They begin with converting between percents, fractions, and decimals, then move to finding a percent of a number and finding what percent one number is of another.

The last six problems find parts and wholes in real settings, including tips, park trees, sale prices, a bake sale, and a class survey. Show every step.

Grade 6 Common Core: 6.RP.A.3c

Problem 1: Percent to fraction and decimal

Write 35% as a fraction in simplest form and as a decimal.



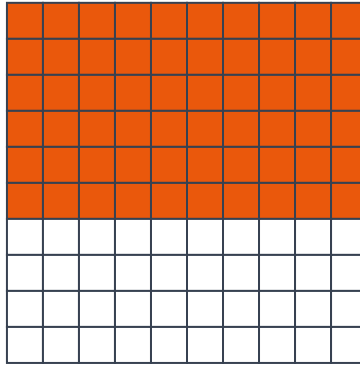
35 out of 100
= 35%

35 shaded squares out of 100.

Problem 2: Percent grid

Write each percent as a fraction in simplest form and as a decimal. The grid models part (a).

- a. 60%
- b. 4%



60 of 100 squares shaded
60 shaded squares out of 100.

Problem 3: Fraction and decimal to percent

Write each as a percent: (a) $\frac{3}{4}$ (b) 0.08

Problem 4: Fractions and decimals to percents

Write each number as a percent.

- a. $\frac{9}{20}$
- b. 0.3
- c. $\frac{3}{8}$
- d. 0.075

Problem 5: Percent of a number

Find 25% of 80.



One of 4 equal parts of 80 is shaded (25%).

Problem 6: Benchmark percents

Find each amount without a calculator.

- a. 10% of 340
- b. 50% of 86
- c. 75% of 120
- d. 20% of 45

Problem 7: Percent of a quantity

Find 40% of 65 miles.

Problem 8: Ordering numbers

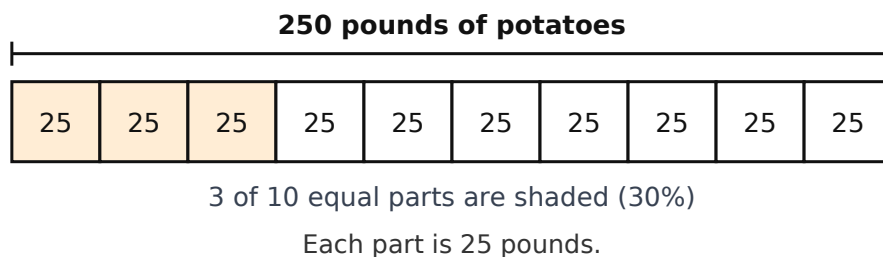
Order these numbers from least to greatest: 0.62 , $\frac{5}{8}$, 60%.

Problem 9: Bake sale percent

Priya bakes 60 cookies for a bake sale, and 15% of them are oatmeal. How many cookies are oatmeal?

Problem 10: Potatoes at the market

A farmers market stand has 250 pounds of potatoes. On Saturday, 30% of them are sold. How many pounds of potatoes are sold?



Problem 11: What percent is it

- Ethan answered 21 of the 25 questions on a quiz correctly. What percent did he answer correctly?
- Mei read 18 pages of a 40-page story. What percent of the story did she read?

Problem 12: Free throws

Maya made 18 of her 24 free throws this season. What percent of her free throws did she make?

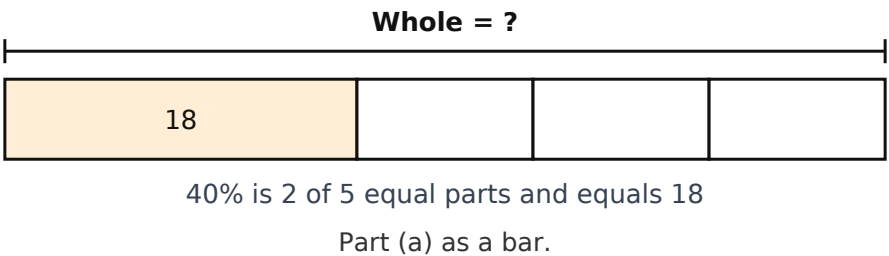


Each square is 2 free throws: 9 squares shaded for the shots made.

Problem 13: Finding the whole from a percent

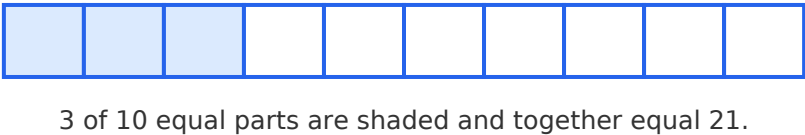
Find the number for each description.

- a. 40% of a number is 18.
- b. 15% of a number is 12.



Problem 14: Finding the whole

Find the number for which 30% of the number is 21.

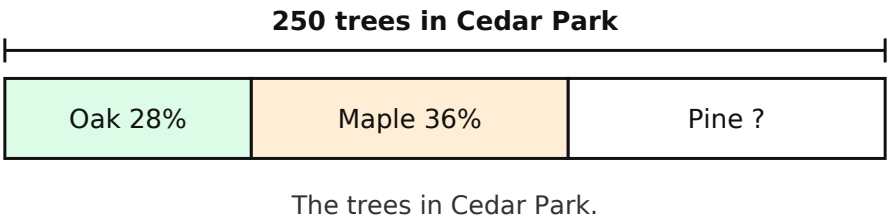


Problem 15: Restaurant tip

The family dinner costs \$48. Liam's dad leaves a tip of 15% of the dinner cost. Find (a) the amount of the tip and (b) the total he pays.

Problem 16: Trees in the park

Cedar Park has 250 trees. Of these, 28% are oaks, 36% are maples, and the rest are pines. Find the number of each kind of tree.



Problem 17: Sale price

A jacket costs \$60. This week it is on sale for 20% off. Find (a) the amount of the discount and (b) the sale price.



Sale tag for the jacket.

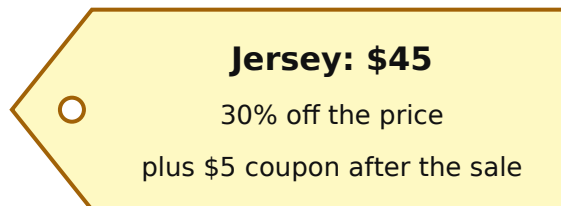
Problem 18: Cupcake sales

Aisha sold 45 cupcakes at the school fair. This was 75% of all the cupcakes she baked. How many cupcakes did she bake?

Problem 19: Jersey sale

Noah wants a baseball jersey that costs \$45. The store takes 30% off the price. Noah also has a \$5 coupon that he uses after the discount.

- Find the amount of the discount.
- Find the sale price before the coupon.
- Find the price Noah pays after the coupon.



The jersey tag.

Problem 20: Class survey

In a survey of 40 students, 35% chose soccer, 25% chose basketball, and the rest chose baseball. How many students chose each sport?

Sport	Percent
Soccer	35%
Basketball	25%
Baseball	?

Survey of 40 students.