

Grade 6 - Percent as a Rate per 100 - Worksheet

Common Core 6.RP.A.3c · maths-pdf.fr/en/

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

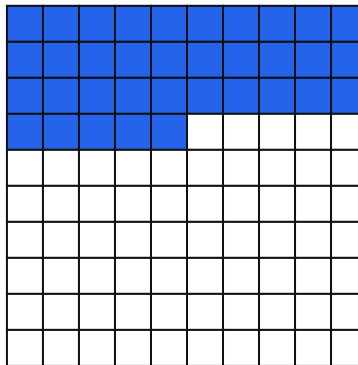
This **percent practice worksheet** for 6th Grade covers percent as a rate per 100 (Common Core 6.RP.A.3c), with a free PDF to print.

These 20 problems practice percent as a rate per 100 (Common Core 6.RP.A.3c). You will use hundred grids, tape diagrams, and double number lines to find a percent of a quantity, find the whole, and solve problems about sales, tips, and tax.

Grade 6 · Common Core State Standards: **6.RP.A.3c**

Percent practice worksheet: exercises 1 to 10

Exercise 1 - Percent from a grid



35 of the 100 squares are shaded.

Write the shaded part of the grid as a fraction out of 100, as a decimal, and as a percent.

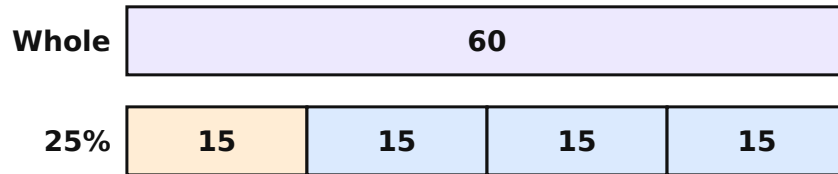
Exercise 2 - Percent to fraction

Write ~~40~~40% as a fraction in simplest form.

Exercise 3 - Ten percent

Find ~~10~~10% of 80.

Exercise 4 - Quarter of a quantity



The whole is 60.

Find 25% of 60.

Exercise 5 - Half of a number

Find 50% of 36.

Exercise 6 - Percent of 200

Find 15% of 200.

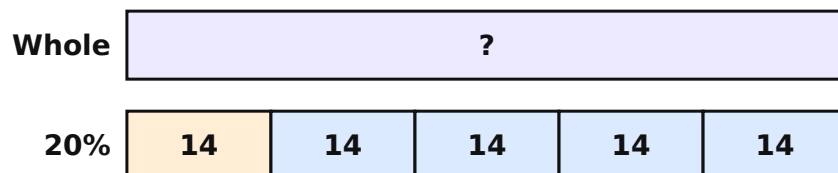
Exercise 7 - Percent of 45

Find 30% of 45.

Exercise 8 - Free throws

Jamal made 18 of his 24 free throws. Find the percent of free throws he made.

Exercise 9 - Find the whole: 20%



One part is 20% of the whole.

20% of a number is 14. Find the number.

Exercise 10 - Find the whole: 60%

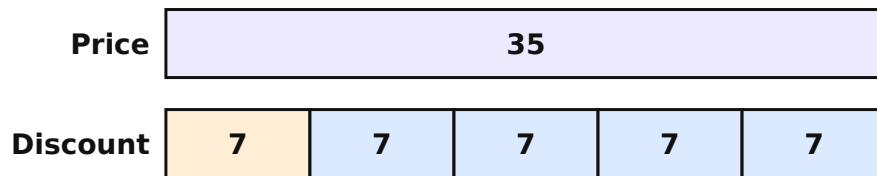
60% of a number is 45. Find the number.

Exercises 11 and up

Exercise 11 - Restaurant tip

The Garcia family bill is \$40. They leave a 15% tip. Find the tip.

Exercise 12 - Sale price



The shaded part is the discount.

A jacket costs \$35. It is on sale for 20% off. Find the discount and the sale price.

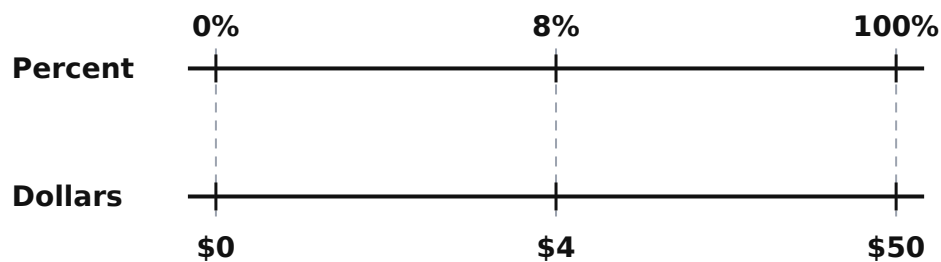
Exercise 13 - More than 100%

Find 150% of 40.

Exercise 14 - Band students

In a class of 25 students, 40% play in the band. Find the number of students in the band.

Exercise 15 - Sales tax



Sales tax of 8% on \$50.

A school sweatshirt costs \$50. The sales tax is 8%. Find the tax and the total cost.

Exercise 16 - Quiz score

Sofia answered 21 of 25 questions correctly. Find her score as a percent.

Exercise 17 - Fiction books

35% of the books on a shelf are fiction. There are 28 fiction books. Find the total number of books on the shelf.

Exercise 18 - Which is greater?

Priya made 18 of 30 baskets in game 1 and 28 of 50 baskets in game 2. Find each percent and decide in which game she did better.

Exercise 19 - Shoes with a coupon

Diego buys shoes that cost \$60. The store takes 25% off, and then he uses a \$5 coupon. Find the final price.

Exercise 20 - Bake sale money

A bake sale raised \$240. Cupcakes made 35% of the money. Find how much money came from cupcakes and how much came from other items.

Key facts behind this percent practice worksheet

Key facts

- Percent means per 100: $35\% = 35/100 = 0.35$.
- To find a percent of a number, multiply by the decimal or fraction form.
- 10%, 25%, and 50% are quick benchmarks: one tenth, one quarter, and one half.
- To find the whole, use a tape diagram or divide the part by the percent.
- Discounts are subtracted; tips and tax are added.

How to use this percent practice worksheet

Work through the exercises in order: they go from simple to challenging. Write every step on paper, then compare with the solutions page and redo any exercise you missed the next day.