

# Grade 6 · Percents · Worksheet

Common Core 6.RP.A.3c · mathovore.fr

Name: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Score: \_\_\_\_\_

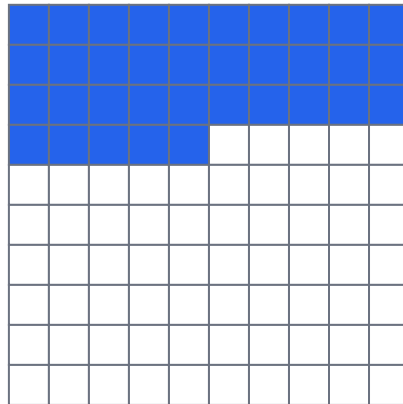
These 10 problems practice percents from standard 6.RP.A.3c. They begin with converting between percents, fractions, and decimals, then move to finding a percent of a number and finding what percent one number is of another.

The last problems find the whole from a part and a percent, including sale prices, bake sale totals, 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: Fraction and decimal to percent

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

### Problem 3: Percent of a number

Find 25% of 80.

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

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

#### Problem 4: Percent of a quantity

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Find 40% of 65 miles.

#### Problem 5: Bake sale percent

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

#### Problem 6: Free throws

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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 7: Finding the whole

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

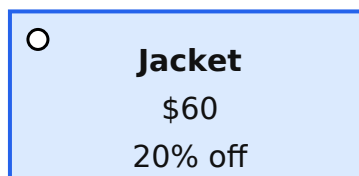


3 of 10 equal parts are shaded and together equal 21.

#### Problem 8: Sale price

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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 9: Cupcake sales

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

### Problem 10: Class survey

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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.