

# Grade 4 - Multistep Word Problems - Worksheet

Common Core 4.OA.A.3 · maths-pdf.fr/en/

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

These 20 problems practice multistep word problems with whole numbers (Common Core 4.OA.A.3). You will use all four operations, write equations with a letter for the unknown, and decide what to do with remainders. Estimation checks whether an answer is reasonable. Harder problems come last.

**Grade 4** · Common Core State Standards: **4.OA.A.3**

## Exercise 1 - Packs of stickers

Maya has 15 stickers. She buys 3 packs with 8 stickers in each pack. Write an equation with the letter  $s$  for the total number of stickers and solve it.

## Exercise 2 - Pages read

Jamal reads 24 pages each day for 5 days. On the sixth day he reads 18 pages. How many pages does he read in all?

## Exercise 3 - Money left

|       |     |     |     |     |   |
|-------|-----|-----|-----|-----|---|
| Money | \$6 | \$6 | \$6 | \$6 | ? |
|-------|-----|-----|-----|-----|---|

Sofia has \$50 and buys 4 notebooks.

Sofia has \$50. She buys 4 notebooks that cost \$6 each. How much money does she have left?

## Exercise 4 - Sold bags of apples

A farmer puts 36 apples equally into 4 bags. She sells 3 of the bags. How many apples does she sell?

## Exercise 5 - Card collection

|       |    |    |    |
|-------|----|----|----|
| Noah  | 14 |    |    |
| Ethan | 14 | 14 | 14 |

Noah has 14 cards. Ethan has 3 times as many.

Noah has 14 baseball cards. Ethan has 3 times as many cards as Noah. How many cards do the two boys have in all?

**Exercise 6 - Balloons**

Priya buys 6 packs of balloons with 12 balloons in each pack. She also has 7 loose balloons. Write an equation with the letter b for the total number of balloons and solve it.

**Exercise 7 - Ticket prices**

At a school play, adult tickets cost \$12 and child tickets cost \$7. The Garcia family buys 3 adult tickets and 5 child tickets. What is the total cost?

**Exercise 8 - Cupcake boxes**

A bakery packs 144 cupcakes equally into boxes of 6. It sells 9 boxes. How many boxes are left?

**Exercise 9 - Canoes**

There are 75 students at a camp. Each canoe holds 4 students. How many canoes are needed so that every student has a seat?

**Exercise 10 - Ribbon bows**

Mei has 100 inches of ribbon. She cuts it into pieces that are each 8 inches long to make bows. How many complete pieces can she cut?

**Exercise 11 - Leftover cards**

Diego has 53 baseball cards. He puts the same number of cards on each of 6 pages and keeps the extra cards in his pocket. How many cards are in his pocket?

**Exercise 12 - Estimate and solve**

Estimate

$$4 \times \$20$$

\$50

Round \$19 to \$20 and \$52 to \$50.

Aisha buys 4 shirts at \$19 each and a pair of shoes for \$52. Estimate the total cost by rounding each price to the nearest ten dollars. Then find the exact total.

### Exercise 13 - Farmers market apples

A farmers market sold 245 pounds of apples on Saturday. On Sunday it sold 2 times as many pounds as on Saturday. All the apples were packed in 5-pound bags. How many bags were packed?

Sat.

245

Sun.

245

245

Pounds of apples sold.

### Exercise 14 - School store pencils

The school store opens 8 packs of pencils with 12 pencils in each pack. It sells 3 pencils to each of 25 students. How many pencils are left?

### Exercise 15 - Team uniforms

A Little League team buys 8 shirts at \$14 each and 8 hats at \$9 each. The coach pays with two \$100 bills. How much change does the coach get?

### Exercise 16 - Empty seats

A stadium has 3 sections with 1,250 seats each and one smaller section with 875 seats. For a game, 3,980 tickets were sold. How many seats are empty?

### Exercise 17 - Road trip plan

Priya's family plans a 1,260-mile road trip. They drive 360 miles on the first day. They drive the same number of miles on each of the next 4 days to finish. How many miles do they drive each of those days?

Trip

|     |   |   |   |   |
|-----|---|---|---|---|
| 360 | ? | ? | ? | ? |
|-----|---|---|---|---|

Day 1 is 360 miles. The next 4 days are equal.

### Exercise 18 - Cookie bake sale

Sofia bakes 144 cookies and puts 8 cookies in each bag. She sells each bag for \$3. How much money does she earn if she sells all the bags?

### Exercise 19 - Field trip vans

A third-grade class has 138 students, and 5 teachers go on a field trip. Each van holds 9 people. What is the fewest number of vans needed?

### Exercise 20 - Is it reasonable?

A library has 2,450 books. It adds 3 boxes with 128 books in each box and then removes 275 old books. Noah calculates  $(2,450 + 128) \times 3 - 275$  and gets 7,459. Use an estimate to show that his answer is not reasonable, then find the correct number of books.