

Word problems — Systems of equations

Name: _____

Date: _____

Read each problem. Write the answer.

- 1 The top shelf holds 9 more books than the bottom shelf, and the two together hold 65 books.

How many books are in the top shelf, and how many in the bottom shelf? ____

- 2 2 peaches and 1 apple cost \$8. 2 peaches and 3 apples cost \$16.

What is the price of one peach and one apple? ____

- 3 The left drawer and the right drawer hold 46 crayons altogether, and the left drawer has 14 more than the right drawer.

How many crayons are in each? ____

- 4 4 notebooks and 1 pen together cost \$22. Separately, 4 notebooks and 4 pens together cost \$28.

Find the price of one notebook and one pen. ____



Word problems · Systems of equations — Answer key

1. $(65 + 9) \div 2 = 37$, then $65 - 37 = 28$, so 37 and 28 books

2. a peach = \$2, an apple = \$4 (check: $2 \times 2 + 1 \times 4 = 8$)

3. $(46 + 14) \div 2 = 30$, then $46 - 30 = 16$, so 30 and 16 crayons

4. a notebook = \$5, a pen = \$2 (check: $4 \times 5 + 1 \times 2 = 22$)