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# Keywords for Division



- 1 **Represent dividend, divisor, and quotient.**
- 2 Describe different ways to represent division.
- 3 Explain ratios.
- 4 Describe how to determine the average.
- 5 Highlight the key words concerning division problems.
- 6 Apply division, ratio, and average problems.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, **including all problems, hints, answers, and detailed answer explanations** is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



## Represent dividend, divisor, and quotient.

Fill in the blanks.

McWoof the sheep herding dog divides the sheep into groups of 6 sheep each. The total number of sheep in the herd is 18. So he gets 3 groups of 6 sheep each. Write down this information using division notation.

- divisor
- sum
- subtrahend
- quotient
- dividend
- minuend
- difference
- product
- summand
- factor

The diagram shows a green field with sheep. A large yellow oval encloses the entire scene and is labeled with the number 18. Inside this oval, there are three red ovals, each containing a group of sheep. The first red oval contains 6 sheep (3 white and 3 black) and is labeled with the number 3. The second red oval contains 6 white sheep and is labeled with the number 3. The third red oval contains 6 sheep (5 white and 1 black) and is labeled with the number 6. Below the diagram, there is a division equation with three boxes for the numbers:  $\boxed{1} \div \boxed{2} = \boxed{3}$ .



## Hints for solving these problems

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of 6

### Represent dividend, divisor, and quotient.

#### Hint #1

For addition, you have: (summand) + (summand) = (sum).

For subtraction, you have: (minuend) – (subtrahend) = (difference).

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#### Hint #2

For multiplication, you have: (factor) × (factor) = (product).

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#### Hint #3

The divisor is that which you divide the dividend.

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#### Hint #4

The quotient is the result of a division.

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## Answers and detailed answer explanations for these problems

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### Represent dividend, divisor, and quotient.

**Answer key:** 1: dividend // 2: divisor // 3: quotient

The dog has to divide the herd into groups of 6. 18 sheep belong to the herd. So you get the following division task:  $18 \div 6$ .

- 18 is the **dividend**, the number you are going to divide.
- 6 is the **divisor**, the number of groups you are going to make.
- The result, the number of groups of 6 sheep made, is the **quotient**. Here it is 3.

So you can remember the following: **dividend**  $\div$  **divisor** = **quotient**.