

Find the Average

To find an average of two or more numbers, you must first add all the numbers together, then divide the sum by the total number of items that you added together.

Example: One apple tree produced 90 apples, one tree produced 82 apples, and another tree produced 95 apples. What is the average number of apples that each tree produced?

1. Add all the apples produced.

$$\begin{array}{r} 90 \ll \text{item 1} \\ 82 \ll \text{item 2} \\ + \underline{95} \ll \text{item 3} \\ \hline 267 \ll \text{total} \end{array}$$

2. Divide the total number of apples produced by the number of trees.

$$\begin{array}{r} \text{number} \\ \text{of items} \gg 3 \overline{)267} \ll \text{total} \\ \underline{240} \\ 27 \\ \underline{27} \\ 0 \end{array}$$

89 \ll average if all items

Each apple tree produced an average of **89 apples**.

Find the answers. Show your work on the back of this sheet.

- On the semester final, Joe scored 85, Jill scored 89, and Bill scored a 99.
What was the average score for these students? _____
- The 5th grade class was in charge of the dinosaur exhibit at the school science fair. Jason brought 21 dinosaur models, Lisa brought 13 dinosaur models, Sara brought 6 dinosaur models, and Jim brought 24 dinosaur models.
What is the average number of dinosaur models that each student brought to the fair? _____
- Mary read six books in January, four books in February, and eight books in March.
What was the average number of books read each month? _____
- Larry weighs 98 pounds, Mark weighs 102 pounds, Mike weighs 100 pounds, Carol weighs 91 pounds, Marie weighs 89 pounds, and Tara weighs 90 pounds.
What is the average weight of the children? _____
What is the average weight of Larry, Mike, and Mark? _____
What is the average weight of Carol, Marie, and Tara? _____
- The blue boxcar carried 263 pounds of broccoli, the red boxcar carried 393 pounds of cantaloupe, and the black boxcar carried 415 pounds of carrots.
What is the average weight of the produce carried by the boxcars? _____

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1. Add all the apples produced.
2. Divide the total number of apples produced by the number of trees.

$$\begin{array}{r}
 90 \ll \text{item 1} \\
 82 \ll \text{item 2} \\
 + 95 \ll \text{item 3} \\
 \hline
 267 \ll \text{total}
 \end{array}$$

$$\begin{array}{r}
 89 \ll \text{average if all items} \\
 \text{number of items} \gg 3 \overline{)267} \ll \text{total} \\
 \underline{240} \\
 27 \\
 \underline{27} \\
 0
 \end{array}$$

Each apple tree produced an average of **89 apples**.

Find the answers. Show your work on the back of this sheet.

1. On the semester final, Joe scored 85, Jill scored 89, and Bill scored a 99.
What was the average score for these students? **91**
2. The 5th grade class was in charge of the dinosaur exhibit at the school science fair. Jason brought 21 dinosaur models, Lisa brought 13 dinosaur models, Sara brought 6 dinosaur models, and Jim brought 24 dinosaur models.
What is the average number of dinosaur models that each student brought to the fair? **16 models**
3. Mary read six books in January, four books in February, and eight books in March.
What was the average number of books read each month? **six books**
4. Larry weighs 98 pounds, Mark weighs 102 pounds, Mike weighs 100 pounds, Carol weighs 91 pounds, Marie weighs 89 pounds, and Tara weighs 90 pounds.
What is the average weight of the children? **95 pounds**
What is the average weight of Larry, Mike, and Mark? **100 pounds**
What is the average weight of Carol, Marie, and Tara? **90 pounds**
5. The blue boxcar carried 263 pounds of broccoli, the red boxcar carried 393 pounds of cantaloupe, and the black boxcar carried 415 pounds of carrots.
What is the average weight of the produce carried by the boxcars? **357 pounds**