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Math Word Problems

50 employees. 35 are part-time and 15 are full-time. What percent are full time?



















your question: 50 employees. 35 are part-time and 15 are full-time. What percent are full time?

Any time someone mentions "percent", we are talking about the part of something or the share of something.

We calculate this share by calculating a similar share as *part of a total of 100*.

Let's go to the question:

In this case the total is 50 employees, and we want to know what 15 full time employees represent as a share of that total, but expressed as *part of 100*.

Therefore we can say, where S is the share and P the *percent*:

S = 15/50

S = P/100

If we combine these 2 equations,

P/100 = 15/50

we now multiply both sides of the equation by 100, and we obtain:

P = (15*100)/50

or

P = 15 * (100/50) = 15 *2

Therefore

P= 30

One can say that the percent of full-time employees is **30 percent**.

We can now also use the *percent-sign*, and write **30%**.

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In 15 years, Sonu will be four times as old as he is now. What is his present age?

When a barrel is 40% empty, it contains 40 liters more than when it is 40% full. How many liters does the barrel hold when full?

In 10 years, Claire will be 3 times of her age today. What is her age 8 years from now?

At the time of his son's birth, the age of a father was 35 years. After how many years will the father be 6 times as old as his son?

5 years ago, the mother was 7 times as old as her daughter. 5 years hence, she will be 3 times as old as her daughter. 5 years hence, she will...

After 36 years, Rehan will be 5 times as old as he is now. What is his present age?

A father is five times as old as his son, but after 8 years he will be only three times as old as his son. What are their ages?

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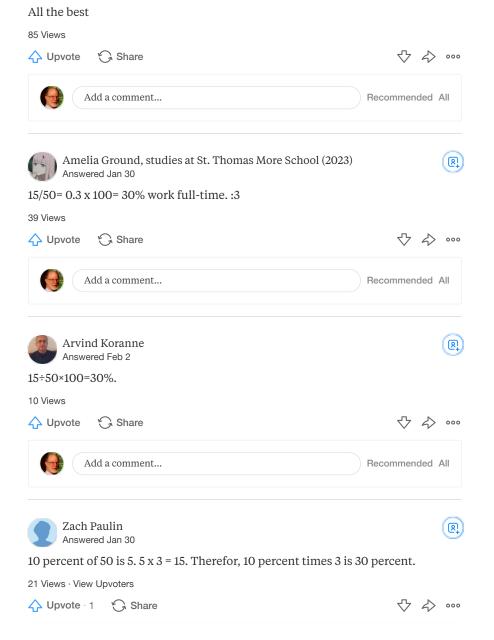
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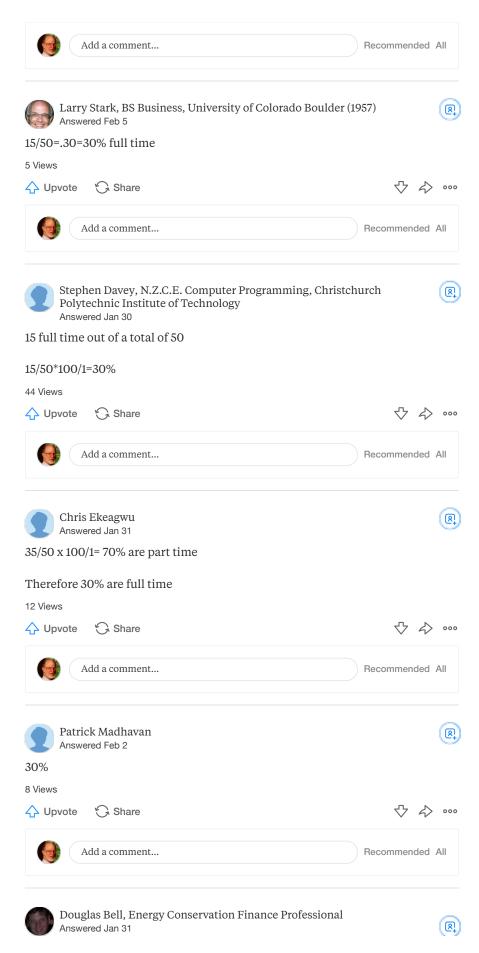
Now some fun facts:

Percent comes from latin: "per centum", which means "per hundred".

Percents are used a lot. Some examples are:

- to express the part of a whole, for instance: costs as part of a sales price, profits as part of total revenues
- to express sales taxes, ...
- to express changes compared to a previous situation, for instance : growth of x% over last year ...
- to express results where all the parts add up to the whole item; then the sum of all the parts expressed in percentages add up to 100%, for instance: polls are usually expressed in percents







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Franklin Veaux, part-time mad scientist

Answered 11h ago · Upvoted by James Boone, BS Chemistry & Physics, Indiana Wesleyan University (2019) and Stijn Hommes, I have a BSc in Chemistry from Utrecht University

Yep. But wait! It gets worse! Did you know that table salt is just one atom away from

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Andrew Daviel wrote this · Physics · 37m

Could we build airships again using nitrogen? It's lighter than air, or is the buoyancy not enough because it's 78% air?



Andrew Daviel, BSc Physics with Electronics & Computer Science, University of Manchester (1975) Answered 37m ago

Nitrogen is not nearly enough lighter than air to make it worth while. I can't be bothered to do the math, but it would probably take a nitrogen balloon a mile across to lift a person, even if it c... (more)

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6 Ernest W. Adams wrote this · 47m

Can you plead the fifth under oath in the US? (If specific to state) Texas? (Criminal Justice major just try to get a clear answer some say yes and no)



Ernest W. Adams, no formal training in constitutional law, just an interested amateur.

Answered 47m ago

That's because the answer isn't a simple yes or no, as the other answers explain. For one thing, if you take the witness stand in your defense and make certain

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