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Math Word Problems

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

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9 Answers



Frank Robertson
Answered Jan 31



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:

$$P = (15 \cdot 100)/50$$

or

$$P = 15 \cdot (100/50) = 15 \cdot 2$$

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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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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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

All the best

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Amelia Ground, studies at St. Thomas More School (2023)

Answered Jan 30



$15/50 = 0.3 \times 100 = 30\%$ work full-time. :3

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Arvind Koranne

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$15 \div 50 \times 100 = 30\%$.

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Zach Paulin

Answered Jan 30




10 percent of 50 is 5. $5 \times 3 = 15$. Therefore, 10 percent times 3 is 30 percent.



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 **Larry Stark, BS Business, University of Colorado Boulder (1957)** 
Answered Feb 5

$15/50 = .30 = 30\%$ full time

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 **Stephen Davey, N.Z.C.E. Computer Programming, Christchurch Polytechnic Institute of Technology** 
Answered Jan 30

15 full time out of a total of 50

$15/50 * 100/1 = 30\%$

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 **Chris Ekeagwu** 
Answered Jan 31

$35/50 \times 100/1 = 70\%$ are part time

Therefore 30% are full time

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 **Patrick Madhavan** 
Answered Feb 2

30%

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 **Douglas Bell, Energy Conservation Finance Professional** 
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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, 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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 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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