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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

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your question: 50 employees. 35 are part-time and 15 are full-time. What percent are full $time^2$

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 $\it part\ of\ a\ total\ of\ 100$.

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%.

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

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15 years hence a man will be just 4 times as old as he was at 15 years of age. What is his present age?

How many times can you take away 3 from 100?

What percent of 25 is 20?

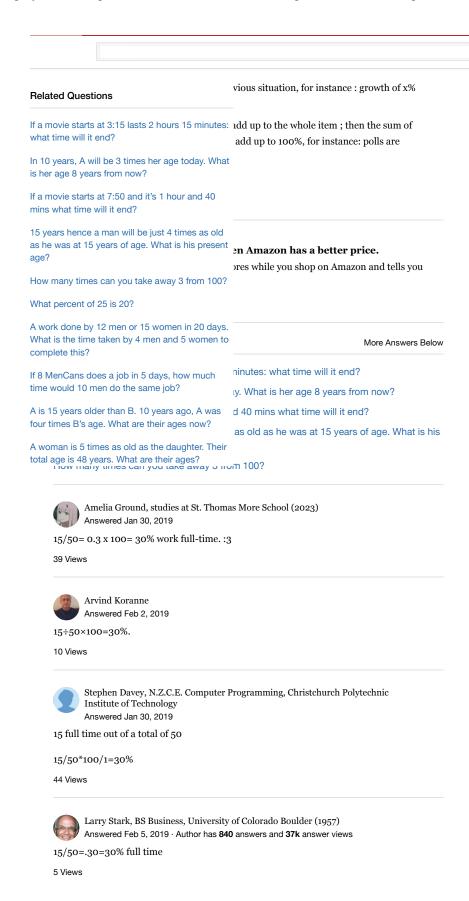
A work done by 12 men or 15 women in 20 days. What is the time taken by 4 men and 5 women to complete this?

If 8 MenCans does a job in 5 days, how much time would 10 men do the same job?

A is 15 years older than B. 10 years ago, A was four times B's age. What are their ages now?

A woman is 5 times as old as the daughter. Their total age is 48 years. What are their ages?

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John slept for 20 minutes. He fell asleep	at 2:10 PM. What time did he wake up?

Fifteen men can repair a road in 28 days. How long will 35 men take to do so?

7 years from now Anil will be one and half times his present age. How old is Anil now?

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

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

Sixteen years from now a girl's age will be 3 times her present age. What is the girl's age now?

In 20 years' time, Tushar will be four times the age he was four years ago. How old is Tushar now?

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