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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 · Author has **164** answers and **52.6k** answer views

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

$$\mathbf{P = 30}$$

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 :

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

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

Answered Jan 30, 2019

15/50= 0.3 x 100= 30% work full-time. :3

36 Views



Arvind Koranne

Answered Feb 2, 2019

15÷50×100=30%.

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