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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  $\boldsymbol{percent}$ :

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:

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If a movie starts at 3:15 lasts 2 hours 15 minutes: what time will it end?

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

If a movie starts at 7:50 and it's 1 hour and 40 mins what time will it end?

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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If a movie starts at 3:15 lasts 2 hours 15 minutes: what time will it end?

what time will it end?

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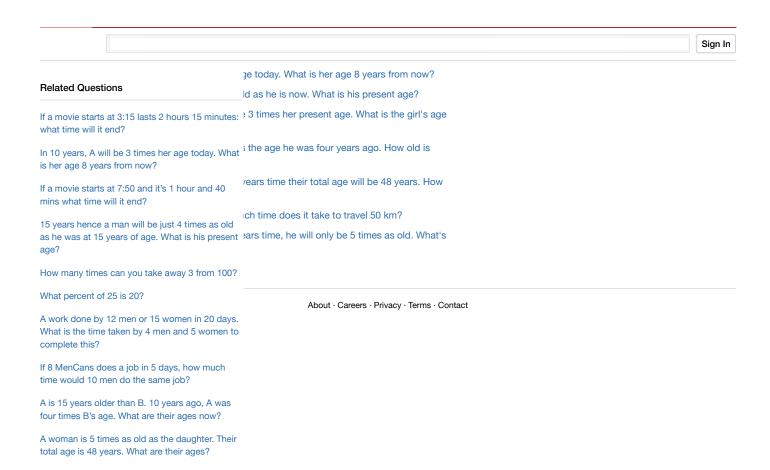
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John slept for 20 minutes. He fell asleep at 2:10 PM. What time did he wake up?

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