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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, 2019 · Author has **165** answers and **53.4k** 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 :

- to express the part of a whole, for instance : costs as part of a sales price, profits

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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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vious situation, for instance : growth of x%

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add up to the whole item ; then the sum of
add up to 100%, for instance: polls are

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How many times can you take away 3 from 100?



Amelia Ground, studies at St. Thomas More School (2023)
Answered Jan 30, 2019

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



Arvind Koranne
Answered Feb 2, 2019

15÷50×100=30%.
10 Views



Stephen Davey, N.Z.C.E. Computer Programming, Christchurch Polytechnic Institute of Technology
Answered Jan 30, 2019

15 full time out of a total of 50

15/50*100/1=30%
44 Views



Larry Stark, BS Business, University of Colorado Boulder (1957)
Answered Feb 5, 2019 · Author has 840 answers and 37k answer views

15/50=.30=30% full time
5 Views

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10 percent times 3 is 30 percent.

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DuckDuckGo.com (2008-present)

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Douglas Bell, Energy Conservation Finance Professional
Answered Jan 31, 2019

30
12 Views

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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?

A father is 4 times as old as his son. In 4 years time their total age will be 48 years. How old are they now?

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