

Team Relay

Students are running in a relay race. Each team will run a total of 3 miles. Each member of a team will run $\frac{1}{5}$ of a mile. How many students will a team need to complete the race?

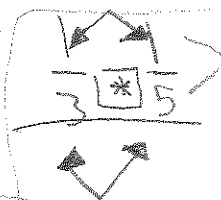
$$\frac{1}{3} \frac{1}{5}$$

Answer $\frac{1}{15}$ Students

Show your thinking.

How I Figurd out The Problome is

I did 1×1 and $3 * 5$ and my answer was $\frac{1}{15}$.



$$1 * 1 = 1$$

$$3 * 5 = 15$$

How To
Times

Fractions

is To Times

The numbers on
The Top and then

the ones on the bottom.

Count 35 Times = 15

Count 1, 1 Time = 1

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Answer 15 Students

Show your thinking. ① I did as shown above.

② I added a 1 below the 3 to make it a complete fraction

$$3 \times \frac{1}{5} = \frac{(3 \times 1)}{(5 \times 1)} = \frac{3}{5}$$

③ then I multiplied the fractions

④ then I multiplied

$$\frac{3}{5} \rightarrow 3 \times 5 = \boxed{15} - \text{Answer}$$

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Show your thinking.

You need **1** ~~person~~ person to run $\frac{1}{5}$ of a mile, so you will ~~need~~ need 5 kids to run 1 mile. ~~how~~ We know how many kids you will need to run 1 mile, ~~you~~ now you need to multiply 5 and 3.

$$\begin{array}{r} 5 \\ 1 \overline{) 15} \\ \underline{5} \\ 0 \end{array}$$

~~So~~ So you will need 15 students to run the race.



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$$\frac{5}{5} = 1 \text{ mile} \quad 1 \text{ Student per } \frac{1}{5}$$

$$\frac{5}{5} + \frac{5}{5} + \frac{5}{5} = 3 \text{ miles}$$

15 because you need 5
Students per mile for 3 miles so

$$5 \times 3 = 15 \text{ or } 5 + 5 + 5 = 15$$

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$$1 + 1 + 1 = 3 \text{ miles}$$
$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = 1 \text{ miles or } \frac{5}{5}$$
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key

~~$\frac{1}{5} \times \frac{3}{1} = \frac{3}{5}$~~

$5 \times 3 = 15 \text{ students}$

students	miles
5 stu	1 mile
10 stu	2 mile
15 stu	3 mile

