

**From:** [Jessica Hudson-Reed](#)  
**To:** [SHAAKIRAH KARANJA](#)  
**Subject:** RE: Percentage Question 2  
**Date:** Wednesday, 25 August 2021 09:02:00  
**Attachments:** [image001.png](#)

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Hi there,

**Question 1:**

Another way of thinking about this question is like this:

If the average is 68% then  $5 \times 68$  should give us all 5 scores added together:  $5 \times 68 = 340$ . In other words, each test score added together will give us 340.

Now, add the scores that we know together:  $66\% + 62\% + 62\% + 62\% = 252$

Now, the difference between 340 and 252 is that one outstanding test score that was missing:  $340 - 252 = 88\%$ . In other words, the missing score is 88%.

**Question 2:**

The way you have simplified the ratio is perfect. You have made a mistake when calculating the denominator.  $25+15+10=50$ . Now if you create your fractions, you will see you get the same answers as me.

Kind regards,

**Jessica Hudson-Reed**  
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**From:** SHAAKIRAH KARANJA <22353734@vconnect.co.za>

**Sent:** Wednesday, 25 August 2021 08:51

**To:** Jessica Hudson-Reed <jhudson-reed@varsitycollege.co.za>

**Subject:** Percentage Question 2

Hi Jess

I am struggling a bit with the percentage questions. I am not sure what I am doing wrong

This is what i wrote down

5 students write an exam , Average score obtained 66%, 3 students marks of 62%

Student 1 66%

Student 2 62%

Student 3 62%

Student 4 62%

Student 5

$$66 + 62 + 62 + 62 = 252 / 5 \text{ students} = 50.4\%$$

Question 2

Total profit for company 120000

George 250000

Jan 150000

zizi 100000

250 000 : 150 000 : 100 000

therefore

25 : 15 : 10

$$25+15+10=40$$

denominator: 40

$$25 \text{ over } 40 \text{ of } 120\,000 = 75000$$

$$15 \text{ over } 40 \text{ of } 120\,000 = 45000$$

$$10 \text{ over } 40 \text{ of } 120\,000 = 30000$$

So i checked your memo of answers, how did you know to divide each number by 5?  
because my answer is completely different

Thank you

Shaakirah