



Question: A mechanic charges different rates to repair the tires of trucks and cars. For each truck tire that is repaired, the mechanic will charge \$60 and for each car tire that is repaired, the mechanic will charge \$40. On Thursday, the mechanic repairs 6 truck tires and 4 car tires. On Friday, the mechanic repairs 12 car tries and doesn't repair any truck tires. How much more revenue did the mechanic earn on the day with higher revenue?

Correct answer:40

- Reveal Tutor: You are correct upto where you say "Calculate the revenue from repairing car tires on Thursday: 4 car tires x \$40 per tire = <<4*40=160>>160 dollars.". What do you think should be the next step?
- Correct Student: The next step would be to add the revenue from repairing truck tires on Thursday to the revenue from repairing car tires on Thursday, which would give us a total revenue of \$520. Then, we can calculate the revenue from repairing car tires on Friday, which would be 12 car tires x \$40 per tire = <<12*40=480>>480 dollars. Finally, we can subtract the revenue from Thursday (\$520) from the revenue from Friday (\$480) to find the difference, which is \$-40.
- ☐ Reveal Tutor: Tell me this instead:What is the total revenue for Thursday from the sales of truck and car tires combined?
- Correct Student: The total revenue for Thursday from the sales of truck and car tires combined is \$520.
- Reveal Tutor: 520 is correct, well done. What is the next step?
- \square Correct Student: The next step would be to calculate the revenue from repairing car tires on Friday, which would be 12 car tires x \$40 per tire = <<12*40=480>>480 dollars.
- ☐ Reveal Tutor: 480 is correct, well done. What is the next step?
- ☑ Correct Student: The next step would be to subtract the revenue from Thursday (\$520) from the revenue from Friday (\$480) to find the difference, which is \$-40.
- Reveal Tutor: 40 is the correct answer to the problem. Well done!!! Don't hesitate to contack me again if you have any troubles.

Did the tutor ever reveal the correct answer?

No

Did the student arrive at the correct answer?

Yes

No

No

Did the student arrive at the answer via a correct method?

Yes

No

Short instructions:

Mark Correctness:

If the student gets the final correct answer, mark the utterance where that first happens

Mark Revealing:

If the teacher reveals the answer, mark the utterance where that first happens

Correct Method

Select whether the student got to the answer using the correct method or not.

- Most checkboxes should remain unchecked.
- Completed conversations are marked with a green square underneath. If the square is not green, please check that your answers are consistent.

