

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?

Reasoning + Answer:

<think> The mechanic charged \$60 per truck tire and \$40 per car tire. Thursday, the mechanic earned $\$60 \times 6 = \360 from the truck tires. Thursday, the mechanic earned $\$40 \times 4 = \160 from the car tires. Thursday, the mechanic earned a total of $\$360 + \$160 = \$520$. The mechanic earned $\$360 - \$160 = \$200$ on Thursday. On Friday the mechanic earned $\$40 \times 12 = \480 . The mechanic earned $\$480 - 0 = \480 on Friday. Today, the mechanic earned a total of $480 + 200 = \$680$. Thursday, the mechanic earned a total of $200 + 400 = \$600$. $680 - 600 = \$80$ more earned on Friday versus Thursday. </think> <answer>80 </answer>

