

Maintenance and Repairs

Determine the maintenance and repair costs in the following situations:

- Céline takes her vehicle to the garage for maintenance. She needs an oil change and a new air filter. The labour charge is \$75/hour. The following table provides the maintenance details.

Materials and labour	Details	Cost
Oil change	Filters and oil	\$45
Labour	0.75 hours	\$75/hour

Calculate the total maintenance cost after taxes.

- Nathalie takes her vehicle to the garage for a tune-up and winter tire change. The maintenance includes the following:

Materials and labour	Details	Cost
Windshield wiper blade replacement	2 windshield wiper blades	\$18/pair
Oil change	5 litres oil	\$4/litre
	1 filter	\$20/filter
Winter tire installation	4 tires	\$150/tire
Labour	3.5 hours	\$95/hour

Calculate the total maintenance cost after taxes.

3. Philip takes his vehicle to the garage for maintenance that includes the following:

Materials and labour	Details	Cost
Oil change	4 litres oil	\$2.50/litre
	1 filter	\$21.00/filter
Air filter change	1 filter	\$7.00/filter
Antifreeze replacement	8 litres of antifreeze	\$2.00/litre
Fan belt replacement	2 belts	\$29/belt
Labour	1 hour 15 minutes	\$60/hour

Calculate the total maintenance cost after taxes.

4. Kris takes his vehicle to the garage for annual maintenance. He needs 4 litres of oil at \$4.05/L, an oil filter that costs \$25.60, and windshield wiper blades that cost \$19.75/pair. The job requires 45 minutes of labour at \$65/hour. Calculate the total maintenance cost after taxes.
5. Scott takes his vehicle to the garage for exhaust system repairs. The repair includes a new exhaust pipe that costs \$250 and a new muffler costing \$150. The mechanic also discovers that the vehicle needs two headlight bulbs that cost \$10 each. The mechanic does all the repairs in 1 hour 40 minutes. Labour is \$85/hour. Calculate the total maintenance cost after taxes.