

## Tipping #21

*Percents, multiplication, division, addition*

A tip (also called a gratuity) is a payment made to certain service sector workers in addition to the price of the service. The amount of a tip is usually calculated as a percentage of the transaction value before taxes. Some of the people we tip are taxi drivers, waiters, hair dressers or barbers. Below are some guidelines for how much to tip:



- Hair dresser or barber: 15%
- Food delivery: 10%
- Waiter: 15% – 20% (depending on service)
- Bartender: 15% – 20% (depending on service)
- Taxi: 15%

**Example:** The Trey family went out for dinner. Their total bill before taxes came to \$56.89. They want to give a 15% tip.

**Problem:** How much should they tip the waiter? Round your answer to the nearest dollar.

**Solution:** Step 1: Convert 15% into a decimal: .15

Step 2: Multiply  $\$56.89 \times .15 = \$8.53$

Step 3: Round off to nearest dollar: \$9.00

*The Trey family should leave \$9.00 for their waiter.*

**Part 1:** Finish filling in the following table. Remember that your tip should be calculated before taxes. Round to the nearest cent. The first one is done for you.



Bill Pre-tax	Tip %	Tip	Add GST (5%)	Total	Total bill rounded to nearest dollar
1. \$10.00	15%	\$1.50	\$.50	\$12.00	\$12.00
2. \$23.50	20%	\$4.70	\$1.18	\$29.38	\$29.00
3. \$46.78	15%	\$7.02	\$2.34	\$56.14	\$56.00
4. \$56.32	20%	\$11.26	\$2.82	\$70.40	\$70.00
5. \$18.00	15%	\$2.70	\$.90	\$21.60	\$22.00
6. \$7.50	15%	\$1.13	\$.38	\$9.01	\$9.00

**Part 2:** Calculate the tip for the following situations. Use the tipping guide below:

- Hair dresser or barber: 15%
- Food delivery: 10%
- Waiter: 15% – 20% (depending on service)
- Bartender: 15% – 20% (depending on service)
- Taxi: 15%



1. Helen got her hair cut and coloured. It cost \$105 before taxes. How much should Helen leave as a tip? Round your answer to the nearest dollar.

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2. Pat took a taxi to the hospital for an appointment. It cost \$9.85. How much should she give for a tip? Round your answer to the nearest 50 cents.

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## Consumer Math

3. Wayne ordered a pizza that cost \$15.99. How much should he give the pizza delivery person? Round your answer to the nearest 50 cents.

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4. The Campbells went out for dinner. Their bill came to \$92.59. How much money should they leave all together assuming that they give a 20% tip? Round your answer to the nearest dollar.

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5. Three co-workers went out for drinks after work. Lisa had a beer and it cost \$7.50. Jodi had a glass of wine and it cost \$8.25 and Sarah had a mixed drink that cost \$8.00. They had excellent service. How much should each person leave as a tip? How much would the bartender get altogether?

a \_\_\_\_\_

b \_\_\_\_\_

c \_\_\_\_\_

d \_\_\_\_\_

6. Jeff went out for lunch. His bill came to \$22.50 before taxes. He was not that pleased with the service so he decided to leave only a 10% tip. How much did he have to pay for lunch including GST (5%) and tip? Round your answer to the nearest cent.

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## Short Cut to Tipping #22

*Estimation, rounding off*

Not all of us carry calculators with us when we go out. Here is a quick way to calculate tips.

**A short cut method for tabs of \$30 or more.**

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**Example:** Supper cost \$45.

**Problem:** How much tip should I leave?

**Solution:** Step 1: Take the dollar amount and drop the ones digit. (5)

Step 2: Double the number that is left. ( $4 \times 2 = 8$ )

*\$8 is the amount you should leave. This is between 15% - 20%.*

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**A short cut method for tabs \$30 or less.**

This method produces a slightly higher percentage tip. Round your answers up to the nearest 5 or 10.

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**Example:** Lunch cost \$17.20

**Problem:** How much tip should I leave?

**Solution:** Step 1: Round \$17.20 up to 20.

Step 2: Double 20 – that's 40.

Step 3: Drop a zero – the tip is \$4.

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## Consumer Math

**Part 2:** Calculate the tip using the short cut method from the previous page.

1. Lunch cost \$29. \_\_\_\_\_
2. Lunch costs \$77 for 4 people. How much should each person leave for a tip? \_\_\_\_\_
3. Breakfast was \$12.95. How much should I leave on the table including the tip? \_\_\_\_\_
4. Supper cost \$150. \_\_\_\_\_
5. Supper cost \$99. \_\_\_\_\_
6. Two couples went for supper. The bill came to \$145. How much should each couple pay for a tip? \_\_\_\_\_
7. Three of us went for lunch. The bill came to \$65. How much should each of us leave for a tip? \_\_\_\_\_
8. I had a hotdog for \$2.50 and a coke for \$2.00. How much should I leave the vendor for a tip? \_\_\_\_\_