

1.4 Exercises

Online Shopping The table shows an online store's shipping rates. In Exercises 1–6, use the table. (See Examples 1 and 2.)



Delivery Time	Shipping Rate
3–5 days	\$0.49/lb
2 days	\$0.89/lb
1 day	\$1.89/lb

- You order a 5-pound textbook with 3–5 day shipping. What is the shipping fee?
 - You order a 330-pound weight set with 2-day shipping. What is the shipping fee?
 - You order a 26-pound television. Suppose you use 3–5 day shipping instead of 2-day shipping. How much will you save?
- You order a 119-pound couch. Suppose you use 1-day shipping instead of 3–5 day shipping. How much more will you pay?
 - You wait until the last minute to buy a 159-pound treadmill for a birthday present. The online price of the treadmill is \$110 less than the price of the same treadmill at a local fitness store. You need the treadmill by tomorrow, so you will have to pay for 1-day shipping.
 - Estimate the shipping fee for the treadmill.
 - Will it cost more to order the treadmill online with 1-day shipping or to buy the treadmill at the local fitness store?
 - Does your answer to part (b) change if you had an extra day to place your order? What if you had an extra week?
 - You recently purchased a pair of headphones online. The shipping fee was \$12.24. You believe that you were overcharged for 3–5 day shipping, but the weight of the headphones is not listed on the receipt.
 - How much do the headphones have to weigh for the fee to be correct? Is the weight reasonable?
 - If the weight is not reasonable, write an e-mail to the store explaining the error and asking for a refund.

