

SECTION 3 QUIZ PRACTICE QUIZ
NUMBER SENSE (# 8, 3, 7, 9)

1. During a quality control check, a factory found that 20% of the parts it produces are defective. The factory recently completed an order for 325,000 parts.

Approximately how many of the parts from the order may be defective?

2. An airline has 300 flights a day. Of these, 80% depart before 6 p.m. Flights leaving before 6 p.m. depart on schedule $\frac{4}{5}$ of the time. How many flights leaving before 6 p.m. depart on schedule each day?

3. Luis mixed 6 ounces of cherry syrup with 40 ounces of water to make a cherry-flavored drink. Martin mixed 5 ounces of the same cherry syrup with 33 ounces of water. Jason mixed 10 ounces of cherry syrup with 50 ounces of water. Jessica mixed 9 ounces of the same syrup with 63 ounces of water. Who made the drink with the stronger cherry flavor?

4. A new mp3 player costs \$96. It is on sale for 15% off.

Create and show a proportion that can be used to find the ***final*** price (n) of the mp3 player?

5. How much tip should I leave, if I want to tip 15% on a restaurant check of \$24.99?

6. The table below shows the times at a local swim meet. List the swimmer's names from fastest to slowest.

SWIMMER	TIME
Tori	$24 \frac{3}{5}$
Susan	24.25
Ashley	24.3
Leah	$24 \frac{1}{8}$

7. The depth of a lake is measured at three different points. Point A is -20.5 meters, Point B is $-20 \frac{7}{8}$ meters, and Point C is $-20 \frac{1}{4}$ meters. Which point has the greatest depth?

8. Ken bought a used car for \$4,550 He had to pay an additional 12 percent of the purchase price to cover both sales tax and extra fees. Of the following, what is the total amount Ken paid?

9. A store sold 48 boxes of juice from a case containing 60 boxes. Approximately what percent of the case of juice has been sold? What percent is left?

10. Michelle bought an entertainment system on sale for \$550. She paid 85% of the regular price. What was the regular price of the entertainment system?

11. A retail store buys a computer for \$325 and sells it for \$450. Find the sales tax to the nearest whole percent. Show or describe how you determined your answer.