

Chapter 1-3 Practice Test - Number Sense

1. Six people share one-half pound of candy equally.
How much chocolate will each person get?
Solve using a model and with an algorithm.
2. A box of crackers weighs $11\frac{1}{4}$ ounces. Alec says one serving is $\frac{3}{4}$ ounce.
How many servings are in the box?
Solve using a model and with an algorithm.
3. There are 627 students and 26 teachers at Baird.
How many students would each teacher have if divided into equal amounts?
What is the divisor and what is the dividend?
How many students would be left over?
4. Alyssa fills her backpack with 0.56 kg of oranges, 0.27 kg of ham, and a water bottle that weighs 1.7 kg.
How heavy are the contents of her backpack?
5. Nicole plans to hike 5.3 kilometers to see a waterfall.
She stops to rest after hiking 2.37 kilometers.
How far left does she have left to hike?
6. A gallon of water at room temperature weighs 8.35 pounds. Eric puts 3.7 gallons of water into a bucket, how much does the water weigh in the bucket?
7. Michael drove 212.4 miles and used 7.5 gallons of gasoline.
What type of gas mileage (miles per gallon) did he get on his trip?
8. Sally makes snack bags that contain a box of raisins and a granola bar. The granola bar comes 12 to a package and each package of raisins come with 9 boxes.
What is the least number of packages of raisins and granola bars so she can have the same number of boxes of raisins and number of granola bars?
Solve using the two different methods.
9. There are 18 boys and 24 girls in Mr. Wong's class. He wants to group all students so that each group has the same number of boys and girls as the other groups.
What is the greatest number of groups Mr. Wong can have?
Solve using two different methods.

10. Use an integer to represent 13 feet below sea level.

What would zero represent in this scenario?

11. Point A and Point B are 7 units apart. The coordinates of Point A are (-3, 6). The x-coordinate for Point B is -3. Graph Point A.

What is the possible y-coordinates of Point B?

What quadrant is Point A in?

What would the coordinates of Point A if it is reflected across the x-axis?

12. Put these rational number in order from least to greatest.

12.75, $|-13|$, $3/4$, -2, 0.7, $-1/2$

13. Use $<$, $>$, or $=$ to compare.

12 _____ $|-15|$

-2.5 _____ -4

0.07 _____ 0.0074

14. The table shows the account balances of five people.

Name	Amount
Steven	-\$12.57
Ezra	\$16.89
Lilly	\$18.31
Joey	-\$13.74
Maya	-\$12.43

Who has the most debt?

How much more money does Ezra have over Maya?

Who had less than \$10 in the bank?

Put the account balances in order from most debt to the greatest balance.