

Decimal Operations Scavenger Hunt

Aligned to:
CCSS 5.NBT.B.7
TEKS 5.3K & 6.3E

Created by:
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How to Play:

1. Post the questions around the room and allow students to choose which one to start with.
2. Once students answer their first question, they can find the answer to that question atop another question and proceed in the same manner to answer all questions.
3. After answering the 12th question, they should arrive back at their first question.
4. You may choose to have students work in pairs or individually!

1

177.48

Alan is connecting three garden hoses to make one longer hose. The green hose is 6.25 feet long, the orange hose is 5.755 feet long, and the black hose is 6.5 feet long. Find the actual total length of all three hoses when connected.



2

81.46

It is x miles from Jamestown to Huntley and y miles from Huntley to Grover. How many miles is it from Jamestown to Grover? To find out, evaluate $x + y$ if $x=4.23$ and $y=16.876$.



3

18.505

Colin is filling up 4.5-ounce bottles with lavender bubble bath that he made for gifts. He was able to fill 7.5 bottles. How many ounces of bubble bath did he make?



4

21.106

Jennifer is buying new school clothes. The items she wants to buy add up to \$132.50 before sales tax. Sales tax is calculated by multiplying the total amount by 0.08. What is the amount of sales tax for the items she purchased?

5

41

Ana bought a van that holds 20.75 gallons of gas and gets an average of 15.5 miles per gallon. How many miles can she expect to drive on a full tank of gas?



6

3109

Ishi makes \$8.50 an hour rolling sushi at Kyoto Japanese Restaurant. His paycheck shows that he worked 20.88 hours over the past two weeks. How much did Ishi make before taxes were taken out?

7

19

Shane wants to figure out what grade he is getting in math. His test scores were 85.6, 78.5, 92.5, 67, and 83.7. What was his average test score?



8

10.6

It took Steve and his construction company 8 months to build a house. After expenses, he was left with \$24,872.67. How much did Steve make per month? Round your answer to the nearest dollar.



9

61

The Martinez family drove 48.7 miles to the river. It took them 1.2 hours to get there. How fast was Mr. Martinez driving in terms of miles per hour? Round to the nearest whole number.



10

321.625

Yori has 14.25 cups of cupcake batter. If he uses 0.75 cups of batter for each cupcake, how many cupcakes can Yori make?



11

33.75

Isabella runs 4 days a week. On Mondays she runs 2.5 miles, on Tuesdays she runs 4.6 miles, on Wednesdays she runs 6.75 miles and on Thursdays she runs 4.8 miles. What is the average distance that Isabella runs each day? Round to the nearest hundredth of a mile.



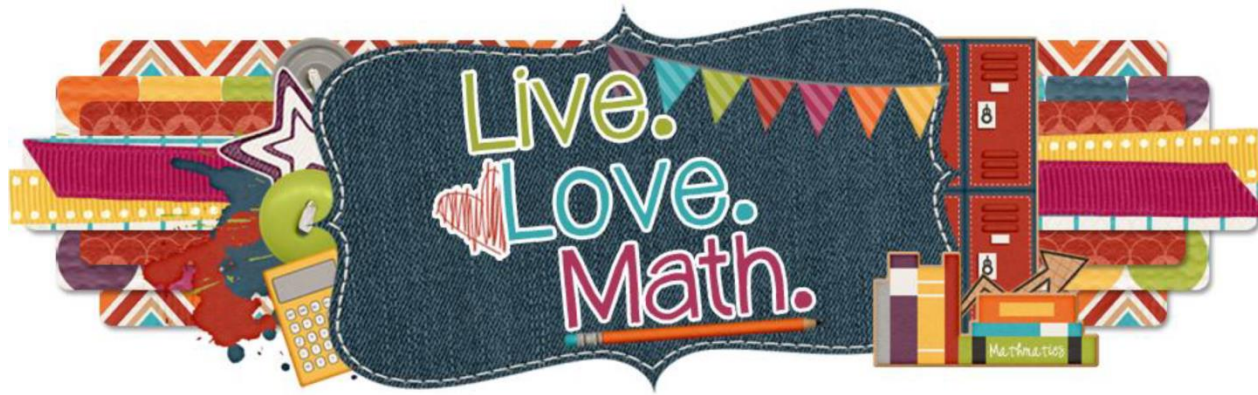
12

4.66

Katherine spends \$1089.72 each month for rent and supplies to run her hair salon. If she charges \$18 for a haircut, how many haircuts must Katherine do to cover her monthly expenses. Round your answer to the nearest haircut.

Answer Key

1. 18.505
2. 21.106
3. 33.75
4. 10.6
5. 321.625
6. 177.48
7. 81.46
8. 3109
9. 41
10. 19
11. 4.66
12. 61



Credits:

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