

Student Name:

Date:

Due Date:

Grade:

Start Time:

End Time:

Comments:

1.

Liam ate $\frac{3}{5}$ of a pizza, and Maya ate 55% of an identical pizza. Who ate more pizza?
2.

In the number 4,772, how many times greater is the value of the first 7 than the value of the second 7?

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3.

A student spelled 18 out of 20 words correctly on a spelling test. Express their score as a percentage.
4.

A toy store increased the price of a popular game by 150%. If the original price was \$20, what is the new price?

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5.

Order these three running distances from shortest to longest: 0.75 miles, $\frac{4}{5}$ miles, and 70% of a mile.
6.

If you are counting in base-10 and reach the number 99, what happens to the place values when you add 1 more?

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7. A water bottle holds 1.5 liters. After a soccer game, 0.65 liters of water are left. How many liters did the player drink?

8. A baking recipe calls for 0.875 cups of flour. Write this decimal quantity as a fraction reduced to its simplest form.

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9. If you move a digit exactly two places to the right on a place value chart, how does its value change?

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10. A school fundraiser successfully raised 120% of its target goal. If the goal was \$400, how much total money did they raise?

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11. In the number 3,045, what does the digit 0 tell us about the hundreds place?

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12. Convert the improper fraction $\frac{11}{4}$ into both a mixed number and an equivalent decimal.

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13. A small tree grew to be 2.25 times its original height over the summer. Express this growth factor as a percentage.

14. A tiny insect is measured to be 0.005 meters long. Write this length as a fraction reduced to its simplest form.

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15. Three friends split a box of markers. Sam takes 0.3 of them, Kim takes 40%, and Leo takes the rest. What fraction of the markers does Leo get?

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16. A science prize of \$145 is divided equally among 100 students. How much money does each student receive expressed as a decimal?

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17. Convert the mixed number $3\frac{3}{8}$ into an equivalent decimal value.

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18. A savings account balance increases by a factor of 1.03 in one year. Express this financial growth as a percentage increase.

19. If a digit sits in the tenths place, what must you multiply the number by to shift that specific digit to the tens place?

20. Write the decimal number 12.35 as a mixed number in its simplest form.

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21. A mechanical pencil lead is $\frac{7}{100}$ of a centimeter thick. Write this metric thickness as a standard decimal.

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22. Convert the fraction $\frac{5}{8}$ into an equivalent percentage.

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23. A video game download is 80% complete. What fraction of the total download is still remaining?

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24. In our standard place value system, each time you move exactly one column to the left, the value multiplies by what number?

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