

Weekly Math #20 - due Wednesday 8:00 AM

ⓘ This is a preview of the published version of the quiz

Started: Feb 19 at 8:02am

Quiz Instructions

You have 2 tries so you can make corrections. I will AVERAGE the two scores!

Remember...

- No Spaces
- No Labels
- No Commas
- Use / for fraction answers.

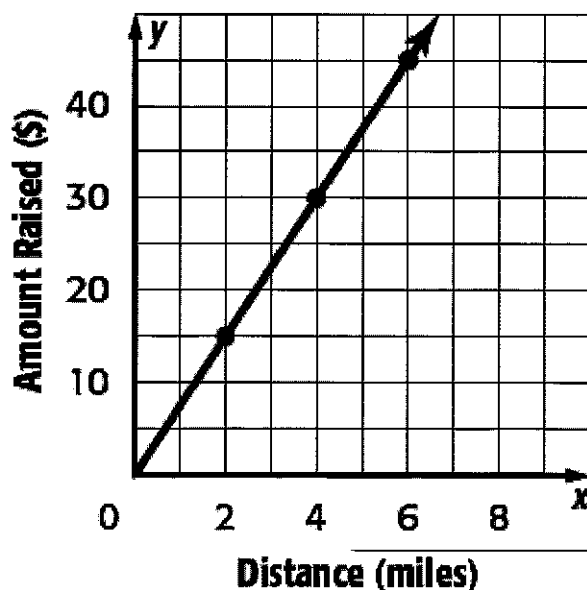
****All Mixed Numbers must be improper or changed to a decimal! ***

Question 1

1 pts

No Calculator

The amount of money Robin raised for a Bike-a-Thon is shown in the graph. Determine the amount Robin raised for each mile she rides.



☐ \$15.00☐ \$7.50☐ \$5.00☐ \$45.00**Question 2****1 pts****No Calculator**

Solve and simplify.

$$\frac{16}{20} \times \frac{5}{24}$$

Question 3**1 pts****No Calculator**

Compare

$$-14 \times 10 \quad \underline{\hspace{1cm}} \quad -28 + (-102)$$

☐ >☐ =☐ <**Question 4****1 pts**

No Calculator

Find the value when $m = -4$ and $n = 3$

$$\frac{2m}{m+2n}$$

Question 5**1 pts****No Calculator**

Bruno listens to music for two and a half hours every day after school.
How many hours does he listen to music for the 5-day school week?

Question 6**1 pts****No Calculator**

12 is 30% of what number?

Question 7**1 pts****No Calculator**

Solve for x.

$$\frac{x}{4} - 8 = -1$$

Question 8**1 pts**

No Calculator

The perimeter of a rectangle is 54 inches.

- The length of the rectangle measures $2x + 1$
- The width of the rectangle measures $x - 1$

What is the **width** of the rectangle?

Question 9**1 pts**

No Calculator

What is the value of $a^2 - (a + b)$, if $a = 14$ and $b = 10$

Question 10**1 pts**

No Calculator

Which word phrase best matches the algebraic expression, $4x - 7$

- ☐ The quotient of four and a number take away seven.
- ☐ The product of four and a number plus seven.
- ☐ The difference of four times a number and seven.
- ☐ Seven less than a number.

Question 11**1 pts**

No calculator

Solve for x.

$$x - 1\frac{1}{4} = 3\frac{1}{2}$$

Question 12**1 pts**

No Calculator

The table shows how much a store charges for a certain number of pens.

Number of Pens, p	Cost, c
4	\$1.52
7	\$2.66
13	\$4.94

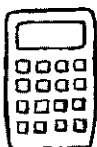
Based on the table, which equation could be used to calculate the cost, c, of any number of pens, p?

☐ $c = 0.19p$

☐ $c = 0.23p$

☐ $c = 0.38p$

☐ $c = 0.76p$

Question 13**1 pts**

Sarah calculated the points she earned on her test. Sarah thought she had an 83 average, but she actually earned an 88. What was Sarah's percent error?

☐ 5.6%

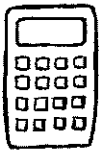
☐ 6.4%

☐ 94%

☐ 4%

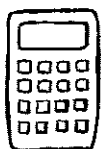
Question 14**1 pts**

American Eagle is having a sale where everything is 20% off. There is a 6% sales tax on every purchase. What will be the final cost of a sweatshirt that retails for \$49.95?

☐ \$37.56☐ \$52.95☐ \$42.36☐ \$10.59**Question 15****1 pts**

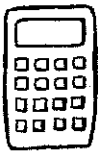
Maddie works at a boutique and earns 4% commission on her sales. Last week she sold \$624.00 worth of merchandise. How much commission did she earn?

Remember: No labels!

Question 16**1 pts**

Billy went on the Yahoo Finance website to check the value of his investment. Yesterday his stock was worth \$50.25 per share and today it is worth \$41.92 per share. By what percent did his investment decrease per share?

- ☐ 18.33% decrease
- ☐ 16.6% decrease
- ☐ 83.4% decrease
- ☐ 12.8% decrease

Question 17**1 pts**

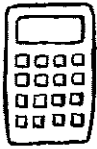
Jenna's car has a gas tank that holds 8 gallons. Her car can travel 22.8 miles per gallon of gas. How many **tanks** of gas would she need to drive 364.8 miles?

Question 18**1 pts**

The ratio of UGG boots to other shoes is 4 to 26. At this rate, how many students would you expect to be wearing other shoes if 24 students are wearing UGG boots?

Question 19

1 pts



Which ordered pair is a solution for the given equation, $y = 2x + 3$?

☐ (0, 2)

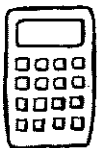
☐ (2, 8)

☐ (-1, -1)

☐ (1, 5)

Question 20

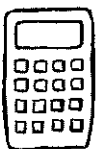
1 pts



Target is advertising a Sony speaker system for \$299.99 in this week's advertisements. If the regular price is \$329.99, what is the percent of discount customers are receiving for this item? **(Round to the nearest whole percent) - No % label and do not convert it to a decimal.**

Question 21

1 pts



Leo has a flash drive that is $\frac{7}{10}$ full and can hold 2 GB of data. He adds three more files that are 0.094 GB, 0.336 GB, and 0.112 GB. How many more GB can fit on the flash drive?

Question 22**1 pts**

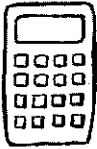
A deli worker earns \$15 per hour and makes about \$25 in tips per week. How many hours would the worker need to work in a week to buy a table that costs \$175.

Question 23**1 pts**

The Newton family went out to dinner.

- The price of the meal was \$95.24
- The sales tax was 6% of the price of the meal.
- The tip was 25% of the meal and the sales tax.

How much money did the Newton family pay for the meal, including tax and tip?

☐ \$126.19☐ \$100.95☐ \$119.05☐ \$111.91**Question 24****1 pts**

Marcus is 14 years younger than twice Kimi's age. Marcus is 8 years old.
How old is Kimi?

Not saved

Submit Quiz

