

Weekly Math #23

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

Started: Mar 9 at 11:04am

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! ***

You Must Show work for ALL questions.

Question 1

1 pts

No Calculator

Sally's baked bean recipe calls for 5 pounds of sugar and 20 pounds of beans. How many pounds of sugar are needed for a recipe using just one pound of beans?

Question 2

1 pts

No Calculator

Which inequality can be used to figure out how many \$1.25 snack packs can be purchased with \$10.00?

☐ $1.25s \geq 10$

☐ $\frac{s}{1.25} \geq 10$

☐ $1.25s \leq 10$

☐ $\frac{s}{1.25} \leq 10$

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

A circle has a diameter of 7 cm. Which expression represents the circumference of the circle?

☐ 14π

☐ 7π

☐ 3.5π

☐ 3.14π

Question 4**1 pts****No Calculator**

A fashion magazine poll asks how many winter hats each reader owns. The data was recorded in the table below.

Winter hats	
Number of winter hats	Frequency
0	19
1	0
2	15
3	14

How many readers own 2 or more hats?

Question 5

1 pts

No Calculator

The Sanchez family added a 6 foot by 15 foot rectangular deck to the back of their house. The long side of the deck is attached to the house. How much edging do they need to go around the three open sides?

- ☐ 36 feet
- ☐ 27 feet
- ☐ 90 feet
- ☐ 42 feet

Question 6

1 pts

No Calculator

Solve:

$$-4x + 7 < 39$$

- ☐ $x > 8$
- ☐ $x < \frac{23}{2}$
- ☐ $x < -8$
- ☐ $x > -8$

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

Gina is four years younger than twice David's age. Gina is 18. How old is David?

Question 8**1 pts****No Calculator**

Find the next term in the pattern.

2, 5, 9, 14, 20, ...

Question 9**1 pts**

No Calculator

Evaluate the expression if $x = 7$, $y = 3$, $z = 9$.

$$6x - (z - 2y) + 15$$

Question 10**1 pts****No Calculator**

Julie lost her tennis racket. She bought a new one for \$30. This is \$6 less than three times the price of her old one. How much did she pay for her old racket?

Question 11**1 pts****No Calculator**

Find the circumference of the quarter shown below.

Use 3.14 for π . Do not round your answer.

DO NOT LABEL your answer.

**Question 12****1 pts****No Calculator**

What is the value of x?

$$-4 = 8x + 4$$

Question 13**1 pts****No Calculator**

Find the value of the given expression when simplified.

$$-4\left(2 + \left(\frac{1}{2}\right)^2\right)$$

Question 14**1 pts****No Calculator**

Find the value of the given expression when simplified.

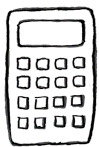
$$-20.245 + 15.12$$

Question 15**1 pts****No Calculator**

Write the quotient as a **simplified improper fraction**.

$$-7\frac{1}{2} \div 2\frac{1}{10}$$

Question 16**1 pts**

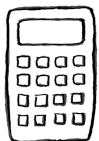


Find the constant of proportionality in the table below.

Gallons of Gas	Total Cost
3	\$9.45
4	\$12.60
5	\$15.75
6	\$18.90

Question 17

1 pts

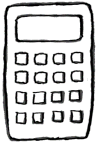


Ten out of sixteen members of the softball team take the field each inning. What percent of the team plays each inning?

- ☐ 37.5%
- ☐ 62.5%
- ☐ 48%
- ☐ 60%

Question 18

1 pts



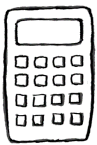
Martin found a shirt he wanted to buy marked \$20. There is a sign advertising 10% off all marked prices. If Martin buys the shirt while it is on sale and pays 8.5% sales tax, what is the total amount he owes?

☐ \$23.87

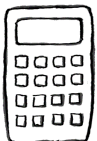
☐ \$21.70

☐ \$16.47

☐ \$19.53

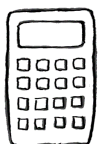
Question 19**1 pts**

Emma earns 1.4% commission on her sales each month. Emma's sales for the month of July totaled \$51,000. How much commission did Emma earn in July?

Question 20**1 pts**

Matthew made a scale model of a statue. The actual height of the statue is $15\frac{4}{5}$ feet. The scale used for the model was $\frac{1}{4}in. = 1 ft$. What is the approximate height, in inches, of the statue's model?

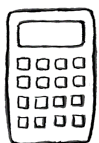
- ☐ 4 inches
- ☐ 3 inches
- ☐ 5 inches
- ☐ 6 inches

Question 21**1 pts**

Which number is a possible solution for the given inequality?

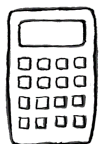
$$5x - 8 < -13$$

- ☐ 1
- ☐ 3
- ☐ -4
- ☐ 0

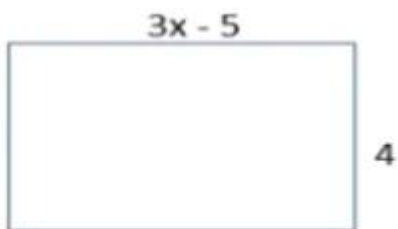
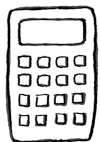
Question 22**1 pts**

The height of a tropical island mountain changes due to volcanic activity. When the mountain was last measured, its height was 2,880 meters. Now it is 5% taller. How tall is the mountain currently?

Remember: No comma and no label!

Question 23**1 pts**

Find the value of x if the area of the rectangle is 52 cm^2 .

**Question 24****1 pts**

Find the constant of proportionality for the given table.

x	y
10	25
6	15
4	10
2	5

☐ 0.4

☐ 15

☐ 2.5

☐ 5

Quiz saved at 11:06am

Submit Quiz