# Weekly Math #19 - due Wednesday at 8:00AM

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

Started: Feb 19 at 8:01am

# 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! \***

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| **Question 1** | **1 pts** |
|---|---|

What is the solution to the equation?

$-4 + 3x = 12$

Enter your answer as an improper fraction.

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| **Question 2** | **1 pts** |
|---|---|

Which pair of ratios does NOT form a proportion?

◉ A. $\frac{3}{8}$ , $\frac{6}{16}$

◉ B. $\frac{6}{9}$ , $\frac{4}{6}$

C. $\frac{4}{8}$ , $\frac{5}{9}$

D. $\frac{6}{10}$ , $\frac{9}{15}$

## Question 3      1 pts

Find the GCF of 80 and 120.

## Question 4      1 pts

Solve.

$\frac{5}{6} \div 1\frac{2}{3}$

## Question 5      1 pts

Evaluate.

$16 - 12 \div 2^2 \times 3$

## Question 6      1 pts

Which one of the following numbers is not a prime number?

- ⬤ 17
- ⬤ 23
- ⬤ 37
- ⬤ 87

## Question 7      1 pts

Solve.

$$-2y - 10 = -20$$

## Question 8      1 pts

Anthony traveled $2\frac{1}{2}$ miles on his bike in $\frac{1}{4}$ of an hour. How many hours will it take him to travel 12 miles?

## Question 9      1 pts

Simplify.

$$9a + 2(8b - 7a)$$

⚫ $5a + 16b$

⚫ $-5a + 16b$

⚫ $9a - 2b$

⚫ $11a$

## Question 10                                                           1 pts

Solve.

$$8(1 - 2a) = 40$$

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## Question 11                                                           1 pts

What is 20% of 60?

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## Question 12                                                           1 pts

Which group of numbers is arranged in descending order?

⚫ $\frac{5}{7}, \ \frac{7}{12}, \ \frac{6}{11}, \ \frac{3}{13}$

⚫

$$\frac{7}{12}, \frac{5}{7}, \frac{6}{11}, \frac{3}{13}$$

⦿ $\frac{5}{7}, \frac{6}{11}, \frac{7}{12}, \frac{3}{13}$

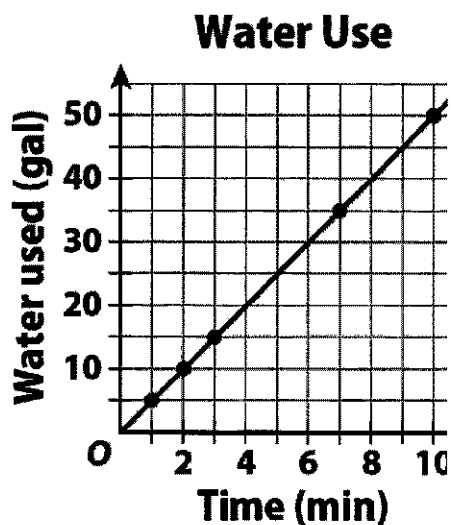⦿ $\frac{3}{13}, \frac{7}{12}, \frac{6}{11}, \frac{5}{7}$

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## Question 13                                            1 pts

Solve.

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

[                                        ]

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## Question 14                                            1 pts

Choose the equation that matches the graph below.

**Water Use**



⦿ y= 1/5x

⦿ y= 5x

⦿ y= 2x

◉ y= 2x

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## Question 15                                                  1 pts

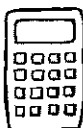Which expression can be used to find the amount of discount for a $36 shirt with a 15% discount?

◉ $36 \times 0.85$

◉ $36 \times 1.15$

◉ $36 \times 0.015$

◉ $36 \times 0.15$

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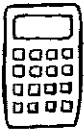## Question 16                                                  1 pts
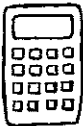
The regular price of a backpack is $32. It is on sale for 20% off the regular price. Find the sale price.

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## Question 17                                                  1 pts

You burn about 200 calories by walking for 60 minutes. About how many calories do you burn if you walk for $4\frac{1}{4}$ hours?

Remember; The units must be the same!

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## Question 18                                                                    1 pts

In a survey, the ratio of students who prefer pizza to chicken nuggets is 2 : 5. If 357 students were surveyed, how many prefer pizza?

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## Question 19                                                                    1 pts

Zoe got a discount of $4.50 on a new radio. The original price was $24.65. What was the percent of discount to the nearest percent?

When entering your answer, do not include a % sign and do not convert your percent to a decimal. If your answer is 50%, then you would enter 50
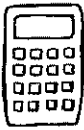
| Question 20 | 1 pts |
|---|---|

Movie Madness video rental rents movies at $3.95 for the first night, plus $1.25 each additional night.  When Mark returned his movie, he paid $7.70.  How many nights did Mark keep the movie?

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| Question 21 | 1 pts |
|---|---|
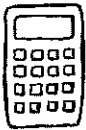
Belk is advertising 20% off your bill if you use a Belk credit card today.  Your mom is buying a sweater for $24.99, a pair of jeans for $54.99 and a bracelet for $13.99.  About how much money will she save if she charges her purchases on her Belk card?

- ⦿ $19.00
- ⦿ $21.00
- ⦿ $75
- ⦿ $16

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| Question 22 | 1 pts |
|---|---|

The Concorde flies 3,630 miles from New York to Paris in about 3.75 hours. About how many hours would it take the Concorde to fly 5,687 miles from Paris to Rio de Janeiro? (Round to the nearest whole number.)

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## Question 23      1 pts
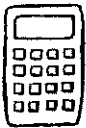
Max and three of his friends would like to go to Jumping Beans to play for the day. Admission is $8.50 per child for the day. If tax is 5.25%, what will be the total cost of admission for the four boys?

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## Question 24      1 pts
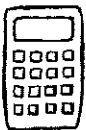
My papa, John, ordered 3 pizzas for dinner. The cost of the first pizza was $10 and each additional pizza was $8. The tax rate is 7%. What is the total cost of the pizza order?

Not saved | Submit Quiz