

Name: _____ class name: _____

FINAL REVIEW #3

SHOW ALL WORK!! A calculator can be used WITH WORK SHOWN.

<p>Q1 (topic #17)</p> $9 \div \frac{6}{5}$	<p>Q2 (topic #17)</p> <p>Leo has 5 pounds of swedish fish. He would like each of his friends to get $\frac{1}{8}$ of a pound. How many friends will Leo be able to share the swedish fish with?</p>
<p>Q3 (topic #10)</p> <p>You lost \$25 in a bet last week. This week you lost another \$10. What integer represents your current situation?</p>	<p>Q4 (topic #14)</p> <p>The ball was thrown the following 5 distances. What is the mean distance?</p> <p>60 m, 22m, 31m, 97m, 45 m</p>
<p>Q5 (topic #18)</p> <p>Which one is equal to $3(x + 4)$ using the distributive property?</p> <p><input type="radio"/> $3x + 4$</p> <p><input type="radio"/> $3x + 12$</p> <p><input type="radio"/> $3x + 7$</p> <p><input type="radio"/> $x + 7$</p>	<p>Q6 (topic #20)</p> <p>60% is equivalent to</p> <p><input type="radio"/> 0.6 and $\frac{6}{8}$</p> <p><input type="radio"/> 0.06 and $\frac{2}{5}$</p> <p><input type="radio"/> 0.06 and $\frac{3}{25}$</p> <p><input type="radio"/> 0.6 and $\frac{3}{5}$</p>
<p>Q7 (topic #21)</p> <p>Lebron James made 60% of the shots that he took in the game. If he took 45 shots, how many did he make?</p>	<p>Q8 (topic #15)</p> <p>Solve for w</p> $\frac{w}{16} = 11$

Q9 (topic #25)

How far is the line that connects the point (8, 10) to (8, -20)?

- 10
- 10
- 16
- 30

Q10 (topic #29)

At Carl's house, he has 30 baseball cards and 170 football cards. What percent of his cards are baseball cards? (hint: start with a fraction)

- 30%
- 15%
- 200%
- 60%

Q11 (topic #18)

Simplify the expression

$$5 + 11(c + 2) - 5c - 4$$

- $16c + 1$
- $6c - 23$
- $6c + 23$
- $14 = 4c$

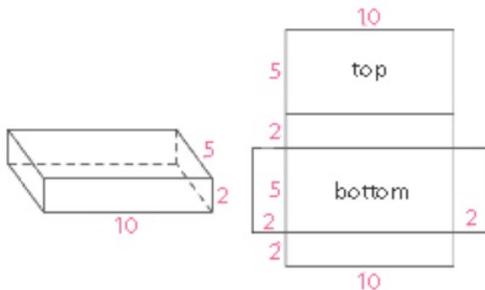
Q12 (topic #28)

Which shows $54d - 18f$ factored out using the greatest common factor?

- $2(27d - 9f)$
- $18(3d + f)$
- $18(3d - f)$
- $9(6d - 9f)$

Q13 (topic #19)

Show ALL work finding the area of each face!



- 150 square units
- 160 square units
- 165 square units
- 180 square units

Q14 (topic #12)

Simplify showing all steps and loops:

$$\frac{2}{3} (2^2 + 8) - 9^0 \cdot 4 =$$

Q15 (topic #9)

$$\frac{1}{3}y(2 + z^2) + (z - y)^3$$

What is the value of the expression when $y = 3$ and $z = 6$?

Q16 (topic #26)

There are 2 fruit stands. They are called A and B.

At stand A, the ratio of apples to bananas is 2:8.

At stand B, the ratio of apples to bananas is the same as that at stand A.

There are 20 bananas at stand B. How many apples are there at stand B?

Q17 (topic #26)

The ratio of iPhones to Androids is 4:3. If there are 28 total phones, how many Androids are there? (hint: make a ratio table but with 3 rows including TOTAL)

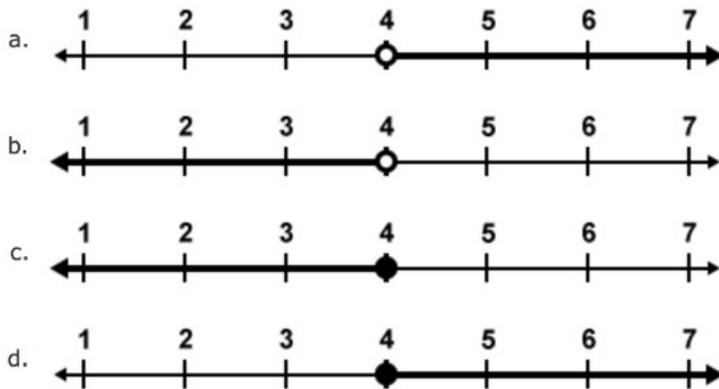
Q18 (topic #16)

Complete the ratio table

Potatoes	25		10	50	
Grams of protein	15	3			12

Q19 (topic #22)

Which number line best shows the inequality $x \leq 4$



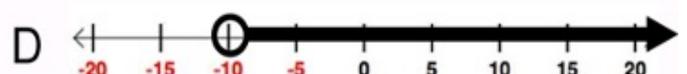
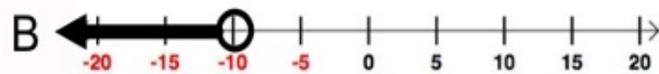
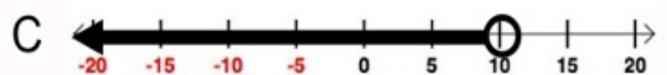
Q20 (topic #29)

A hot dog seller on the streets of NYC sold 40% of the hot dogs he had on Monday.

If he had 250 hot dogs at the start of Monday, how many did he sell?

Q21 (topic #)

Which graph shows the inequality $c > -10$?

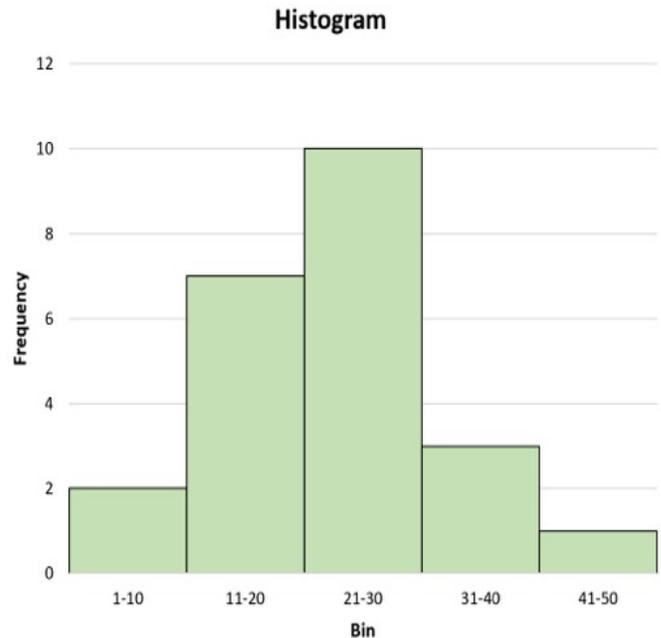


Q22 (topic #14)

Mr. Hoffman announced that the highest math grade on the last quiz was 99%.
He also said the RANGE in scores was 40 points.
What was the lowest score in the class?

Q23 (topic #23)

Below is a histogram showing the number of times that Bins (baskets) broke in a store.
According to the graph, how frequently did the store break less than 41 bins?



Q24 (topic #27)

Scott travels 42.75 miles in 4.5 hours. How far will he go in 1 hour?

Q25 (topic #28)

Which choice shows $50g + 30c$ factored out using the greatest common factor?

- $5(10g + 6c)$
- $2(25g + 15c)$
- $25(2g + 5c)$
- $10(5g + 3c)$

Q26 (topic #17)

You have 14 liters of Sprite for your party and want to pour it into glasses that each hold $\frac{2}{7}$ liters. How many glasses can you fill?

Q27 (topic #18)

Which one is equal to $5(3r + 2)$ using the distributive property?

- A) $15r + 2$
- B) $8r + 7$
- C) $8r + 10$
- D) $25r$
- E) $15r + 10$