IXL Review for Test

~Pick AT LEAST 3 topics

~Complete exercises and get a smart score of AT LEAST 85

6th Grade

E.1 Scientific Notation

J.6 +- Fractions

K.11 Multiply Fractions

L.7 Divide Fractions

P.2 Order Fraction, Decimal, Percent

After your IXL review is complete then please begin the test review in Google Classroom. Use the answer key to check work when finished.

Fractions, Decimals, and Percents Review

Part 1. NO CALCULATOR

1. Write the division equation as a multiplication problem $\frac{1}{6} \div \frac{2}{5}$? (Keep, Change, Flip)

2. Solve. Write your answer in the box. Your answer must be in simplest form.

$\frac{2}{5} \div \frac{1}{4} =$

3. Solve. Write your answer in the box. Your answer must be in simplest form.

$\frac{1}{4} \bullet 16 =$

4. Solve. Write your answer in the box. Your answer must be in simplest form.

$2\frac{1}{4} \bullet 1\frac{4}{5} =$

5. Solve. Write your answer in the box. Your answer must be in simplest form.

$2 \div 1\frac{1}{4} =$

Part 2

1. John's tank was $\frac{3}{6}$ full. What percent of the tank was **empty**? (convert to a percent first then determine how much is EMPTY)

2. If you score $\frac{18}{30}$ correct on a quiz, what is the **decimal** equivalent? (numerator divided by denominator)

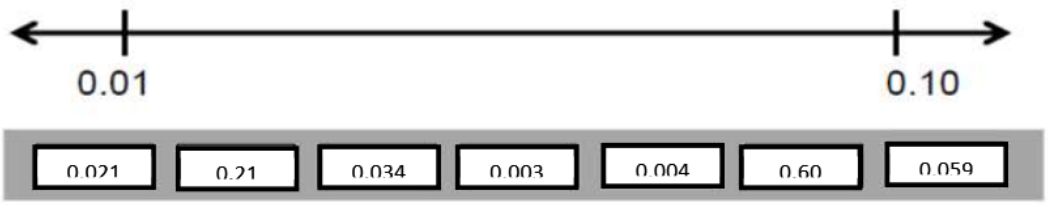
3. Sally's Shoe Store received a shipment of shoes for its new location. The manager determined that $33.\overline{3}\%$ of the shoes where athletic shoes. What fractions of the shoes were athletic shoes?

4. Compare the following decimals using the mathematical symbols >, <, =

0.05_____ 0.042

0.985 _____ 08.97

5. Select all of the numbers that would lie between the two points on the number line below: (make sure they all have the same amount of places behind the decimal first)



Part 3. CALCULATOR

6. Compare the following percents using <, >, or =.
(Convert into decimals first. Then make sure they all have the same amount of places behind the decimal.)

0.2% _____ 0.04%

44.2% _____44.05%

7. Compare the following fractions using mathematical symbols >, <, =
(cross multiply to see which is larger)

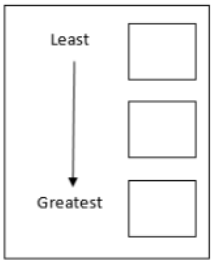
$\frac{1}{3}$ _____ $\frac{4}{12}$

$\frac{3}{5}$ _____ $\frac{2}{3}$

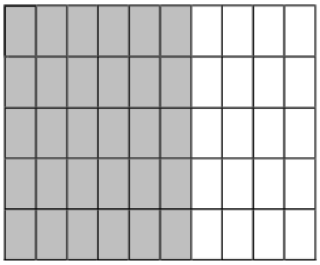
8. Order the following from least to greatest?

$\frac{4}{12}$ 0.033 33%

9. Order the following in ascending order. Show your work.
(make into decimals first)



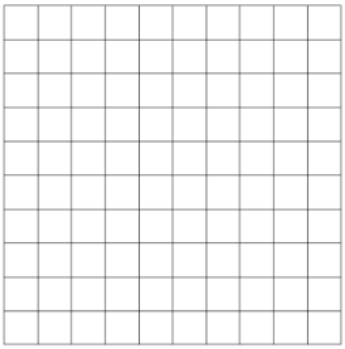
10. What is the fraction, decimal and percent of the shaded grid below?



_____ _____

_____

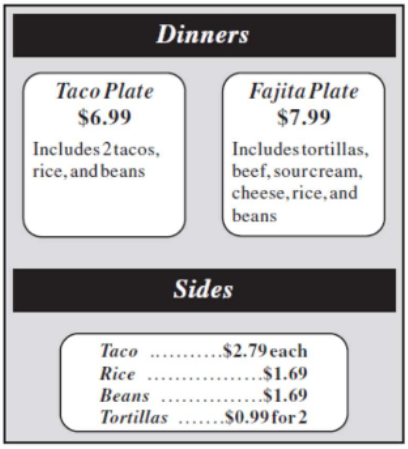
11. How many should you shade to represent the equivalent of the fraction $\frac{2}{5}$.



12. Kali earns $7.00 per hour at his part-time job. Last week he worked 20 hours. This week he worked 15 hours. What is the total amount of money that Kali earned for working these two weeks?

13. Karen made ribbons for school spirit day. Her roll of ribbon was 10 feet long. For each individual ribbon she needed 0.55 feet. How many ribbons could she make from her roll? Write your answer in the box.

14. Look at the menu to the right. Which is the best estimate of the difference between the cost of buying the Taco Plate dinner versus the cost of buying 2 tacos, rice, and beans as sides?



15. The local school had a fundraiser. Students collected money at three locations. They spent a total of $15.50 on materials.

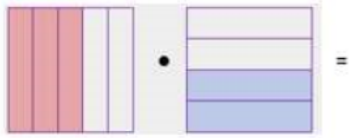
Money Raised at School Fundraiser		
Location 1	Location 2	Location 3
$85.75	$49.75	$60.25

How much money did they make in the fundraiser after subtracting the cost of materials?

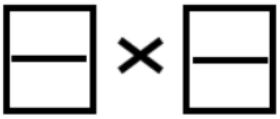
16. How many $\frac{5}{8}$ are in 5? (SOL 6.4 I)

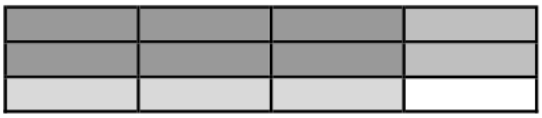
A $\frac{1}{8}$
B 5
C 8
D 10

17. Draw the model that would answer the fraction representation below (SOL 6.4 I)



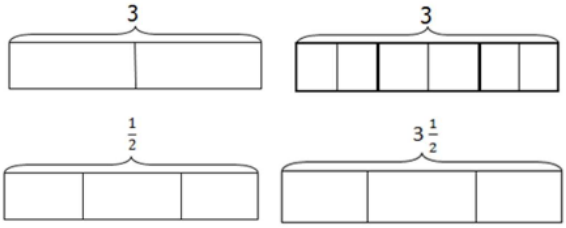
18. Write a multiplication problem based on the model below. (SOL 6.4 II)





19. Which picture models: (SOL 6.4 II)

$3 \div \frac{1}{2} = ?$



20. Jenny needs $2\frac{1}{3}$ cups of flour to make a cake. She only has $\frac{5}{8}$ of a cup in the pantry. How many more cups of flour will she need for the cake?

21. Zoe used $\frac{1}{2}$ yards of ribbon to make a bow. How many bows can she make from $5\frac{1}{2}$ yards of fabric? (SOL 6.6b III)