Name _____ Date _____

TEKS 5.2B *compare and order two decimals to the thousandths and represent comparisons using the symbols >, <, =.*

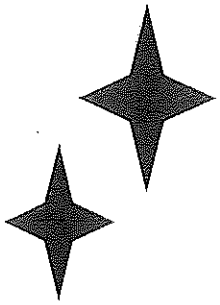
1. We can measure the brightness of stars using radio waves. In 2002, one star was 0.312 milliard seconds brighter than a second star. Which of the following choices correctly compares two stars with a difference of 0.312 milliard seconds?

A. $0.832 > 0.842$

B. $1.624 < 1.936$

C. $2.312 < 2.000$

D. $0.321 > 0.331$



2. Joan finished a race in 13.498 seconds. Claire finished a race in 13.64 seconds. Which time listed below is greater than Joan's time, but less than Claire's time?

F. 13.864 seconds

G. 13.636 seconds

H. 13.467 seconds

J. 13.640 seconds

3. Karly sells honey at the county fair. Customers are charged based on the amount of honey in each jar. The table below shows the capacity of 4 jars of honey.

Honey

Jar	Capacity (oz.)
A	4.555
B	4.64
C	4.6
D	4.46

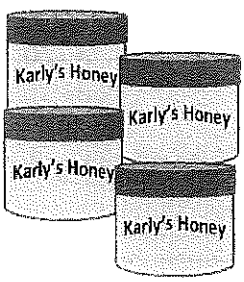
Which of the following correctly compares the heaviest and lightest jars of honey?

A. $4.64 > 4.46$

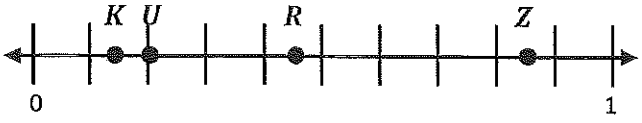
B. $4.46 > 4.64$

C. $4.64 < 4.46$

D. $4.46 = 4.64$



4. Four points are graphed on the number line shown below.



Which inequality correctly compares the values of point K and point Z?

F. $8.5 > 1.5$

G. $0.15 > 0.85$

H. $0.85 > 0.15$

J. $0.95 > 0.25$

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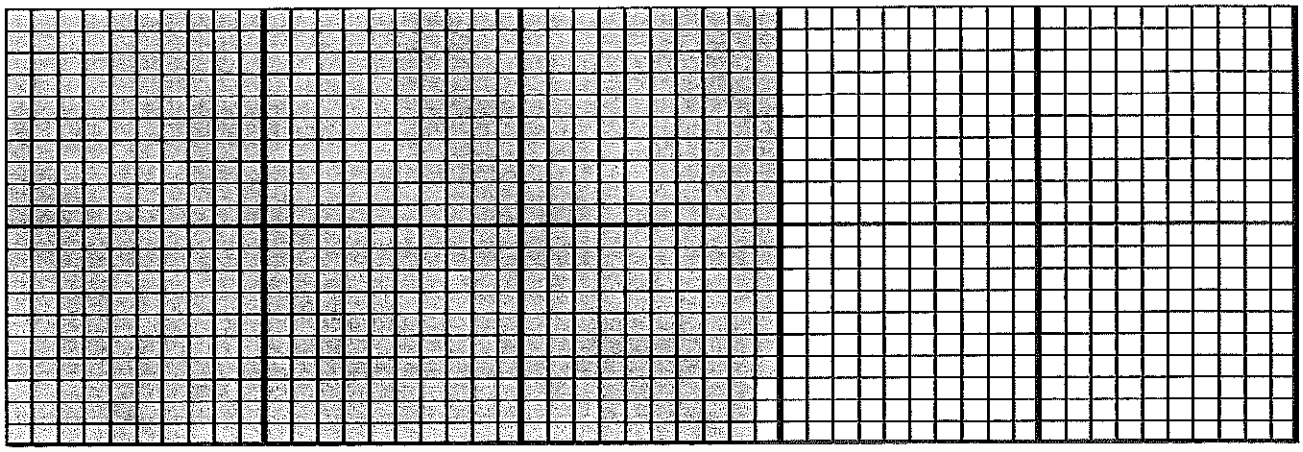
5. The model below shows 0.597 shaded.



Which of the following is true?

A. $0.597 < 0.6$

B. $0.597 < 0.590$

C. $0.997 < 0.597$

D. None of the above.

6. A farmer in south Texas grows melons. A melon must weigh more than 3.12 pounds to be sent to market. Melon A weighs 3.131 pounds, and Melon B weighs 3.109 pounds. Based on this information, which statement is NOT true?

F. Melon A can be sent to market because $3.131 > 3.12$.

G. Melon B cannot be sent to market because $3.109 < 3.12$.

H. Melon A weighs more than Melon B because $3.131 > 3.109$.

J. Melon A and Melon B can both be sent to market because $3.109 < 3.12 < 3.131$.

7. Gabe and Leah raised goats to show at the livestock show. Gabe's goat earned 20.387 points from the judges. Leah's goat earned 20.378 points from the judges. Which comparison statement is true?

A. $20.387 < 20.378$

B. $20.387 = 20.378$

C. $20.378 < 20.387$

D. $20.378 > 20.39$

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8. Four girls went to a salon for a haircut. The table below shows the length of each haircut, measured in meters.

Name	Haircut Length (m)
Sara	0.045
Tara	0.03
Mary	0.036
Carrie	0.05

Based on the table, which comparison is true?

F. Carrie $>$ Sara

G. Mary $<$ Tara

H. Mary $>$ Carrie

J. Tara $>$ Sara

9. Jason, Denise, Joan and Kelly competed in a race.

- Jason completed the race in 13.35 seconds,
- Denise finished the race in 14.27 seconds,
- Joan finished the race in 13.72 seconds,
- and Kelly completed the race in 13.21 seconds.

Based on this information, which of the following statements is true?

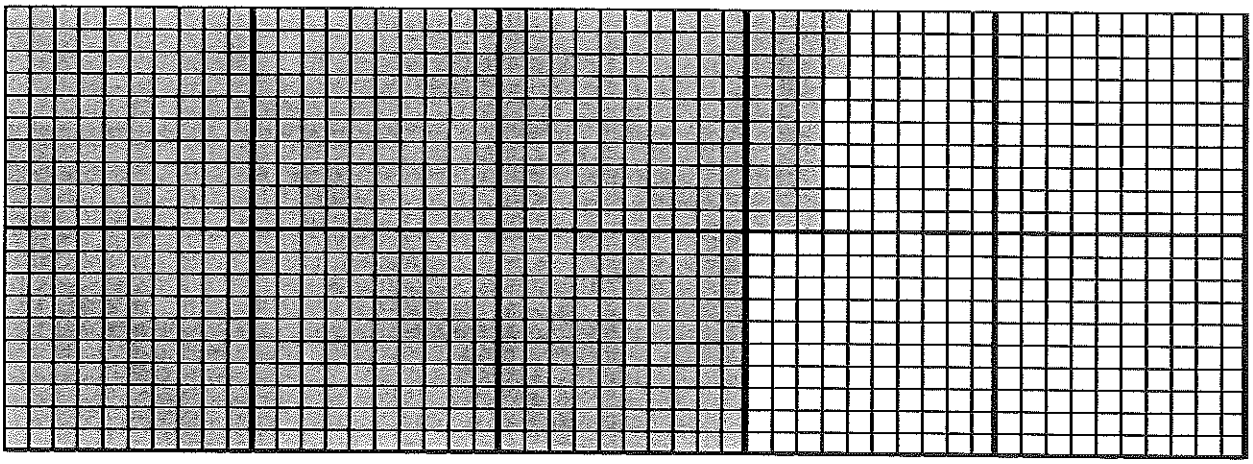
A. Jason finished before Kelly because $13.35 < 13.21$.

B. Joan finished after Denise because $13.72 > 14.27$.

C. Joan finished after Jason because $13.72 < 13.35$.

D. Kelly finished before Denise because $13.21 < 14.27$.

10. The model below shows 0.633 shaded.



Which of the following is true?

F. $0.633 < 0.63$

G. $0.063 > 0.633$

H. $0.633 < 0.64$

J. $0.633 < 0.366$

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