

TEST NAME: **Allman**
TEST ID: **1619598**
GRADE: **03 - Third Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____

Class: _____

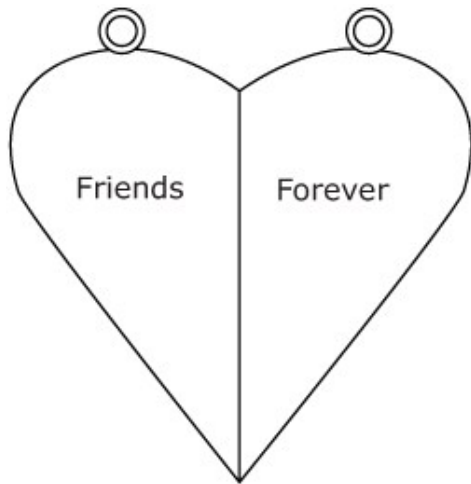
Date: _____

1. Which symbol correctly compares the fractions below?

$$\frac{1}{3} \text{ — } \frac{1}{8}$$

- A.
- B. >
- C. =

2. A heart-shaped charm is divided equally into two pieces.



Two friends each take a piece of the charm. Which fraction represents each piece of the charm?

A. $\frac{2}{1}$

B. $\frac{2}{2}$

C. $\frac{1}{2}$

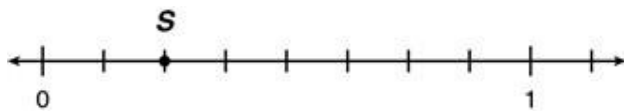
D. $\frac{1}{4}$

3. The number line below shows 1 unit.

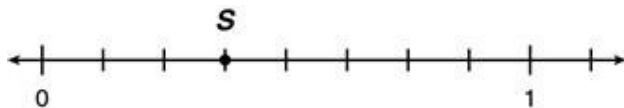


Which number line shows Point S at $\frac{3}{8}$ of 1 unit?

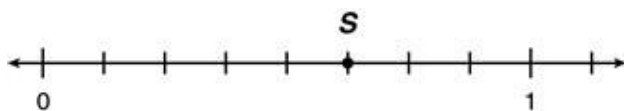
A.



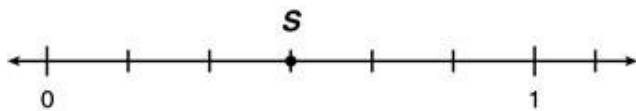
B.



C.

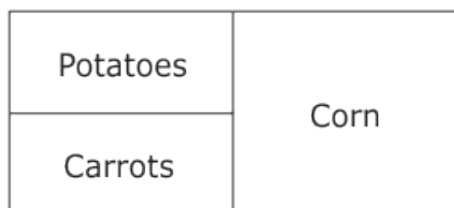


D.



4. One-fourth of a garden is planted with potatoes. One-half of the garden is planted with corn. Another one-fourth of the garden is planted with carrots. Which choice shows how the garden could be planted?

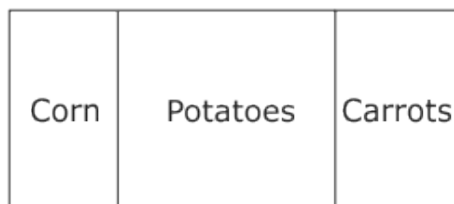
A.



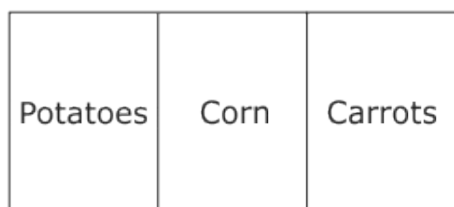
B.



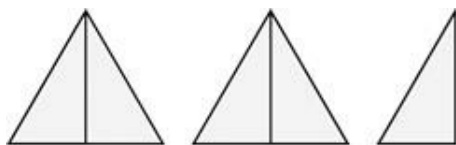
C.



D.

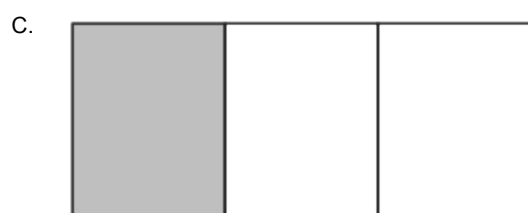
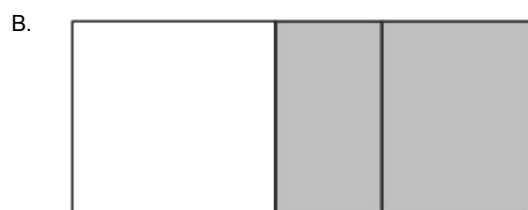
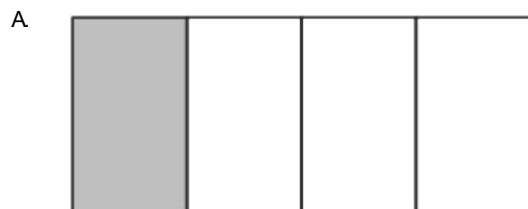


5. What fraction is being represented in the model?

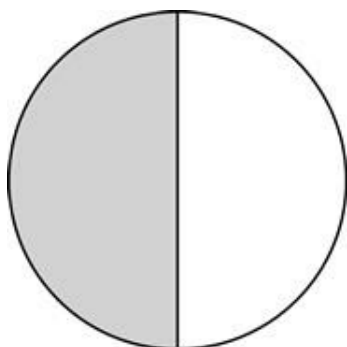


- A. $\frac{5}{2}$
 B. $\frac{1}{2}$
 C. $\frac{2}{5}$
 D. $\frac{1}{5}$

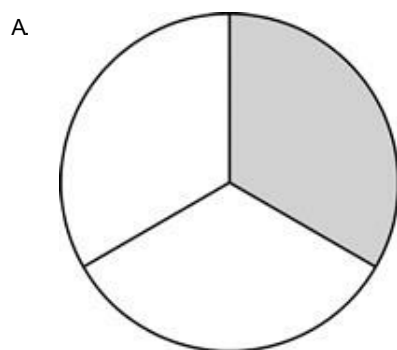
6. Which figure is $\frac{1}{3}$ shaded?



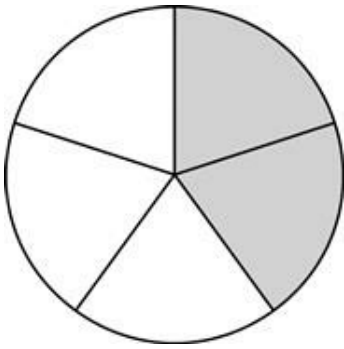
7. The circle is shaded to show $\frac{1}{2}$.



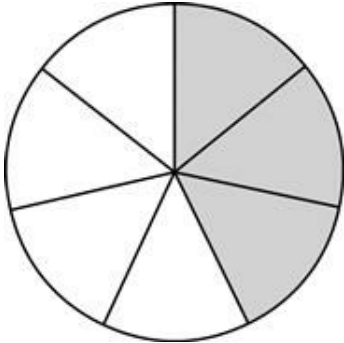
Which circle is shaded to show a fraction that is equivalent to $\frac{1}{2}$?



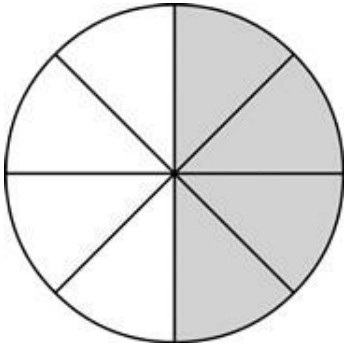
B.



C.



D.



8. Which shows $\frac{2}{8}$?

A.



B.



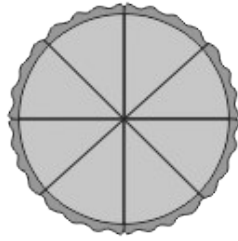
C.



D.



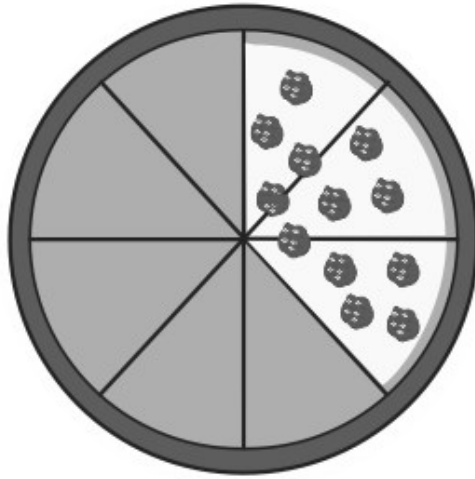
9. Mrs. Mills cut the apple pie below into 8 pieces. Her family ate 6 pieces of it.



Which fraction shows how much of the pie Mrs. Mills's family ate?

- A. $\frac{2}{8}$
- B. $\frac{2}{6}$
- C. $\frac{6}{8}$
- D. $\frac{6}{2}$

10. Alex's family had pizza for dinner. The shaded parts below show how much was eaten.



Which fraction shows how much pizza was left?

- A. $\frac{3}{8}$
- B. $\frac{3}{5}$
- C. $\frac{5}{8}$
- D. $\frac{5}{3}$

11. How should Susan label point S on the number line below?



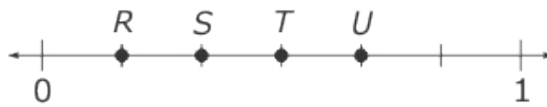
A. $\frac{4}{5}$

B. $\frac{4}{6}$

C. $\frac{5}{6}$

D. $\frac{5}{7}$

12. At which point would $\frac{2}{6}$ be located on the number line below?



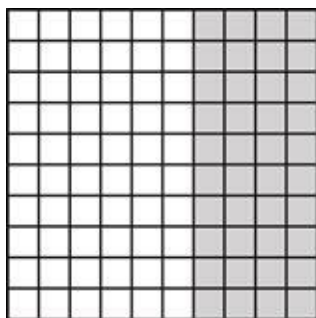
A. R

B. S

C. T

D. U


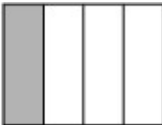
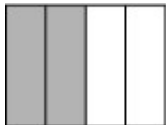



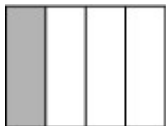
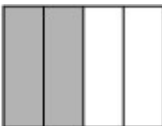
13. Four-tenths of the model below is shaded.



Which fraction is equivalent to the shaded portion of this model?

- A. $\frac{2}{5}$
- B. $\frac{4}{100}$
- C. $\frac{1}{2}$
- D. $\frac{6}{10}$

14. Which number sentence is **true** about the shaded part of each rectangle?

- A.  $<$ 
- B.  $>$ 
- C.  $<$ 
- D.  $>$ 

15. Which fraction is represented by point X on the number line below?



A. $\frac{3}{5}$

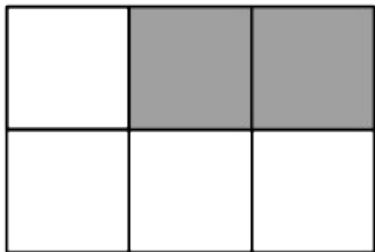
B. $\frac{3}{6}$

C. $\frac{4}{6}$

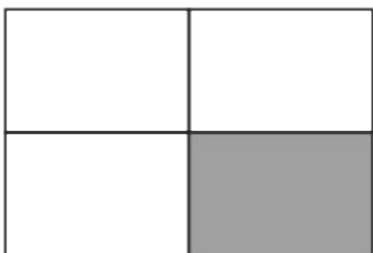
D. $\frac{4}{7}$

16. Which rectangle has a shaded area equivalent to $\frac{1}{3}$?

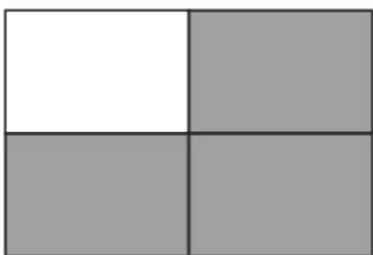
A.



B.

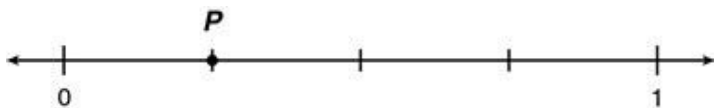


C.

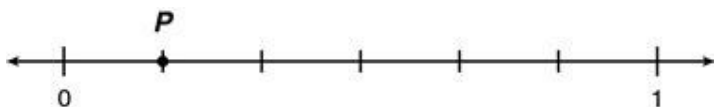


17. On which number line does Point P best show $\frac{1}{4}$?

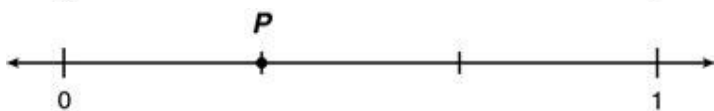
A.



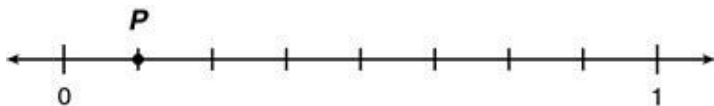
B.



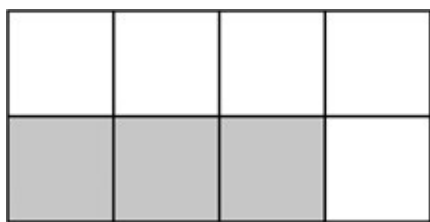
C.



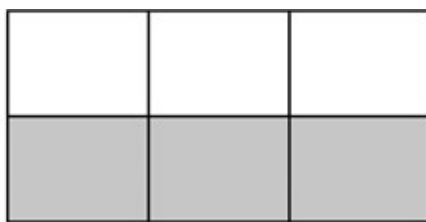
D.



18. Fraction Model 1 and Model 2 below are each divided into equal parts with 3 parts shaded on each model.



Model 1



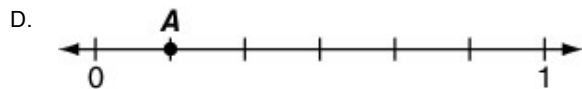
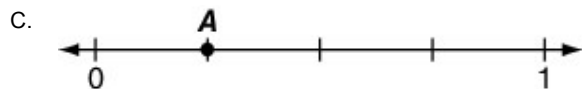
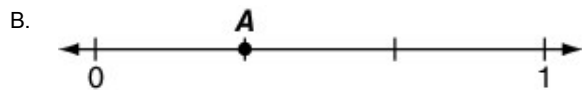
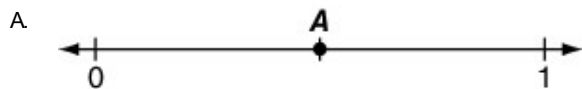
Model 2

Which statement correctly compares the two models?

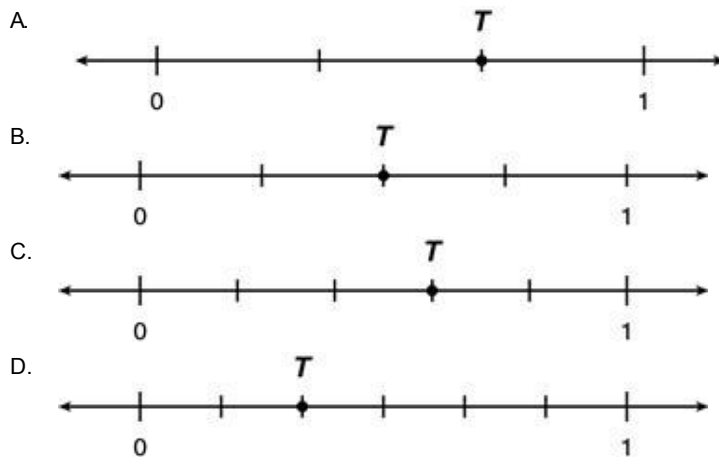
- A. $\frac{3}{8}$ is equal to $\frac{3}{6}$ because the numerators are the same.
- B. $\frac{3}{8}$ is greater than $\frac{3}{6}$ because it has a larger denominator.
- C. $\frac{3}{8}$ is less than $\frac{3}{6}$ because 3 parts out of 8 is less than 3 parts out of 6.
- D. $\frac{3}{8}$ is greater than $\frac{3}{6}$ because 3 parts out of 8 is greater than 3 parts out of 6.
19. Which number is at the same point on a number line as 3?

- A. $\frac{1}{1}$
- B. $\frac{3}{1}$
- C. $\frac{1}{3}$
- D. $\frac{3}{3}$

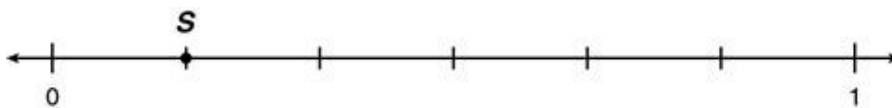
20. Which number line has point A at $\frac{1}{3}$?



21. Which number line shows Point T at $\frac{3}{5}$?



22. Point S is shown on the number line below.




What fraction does Point S show on the number line?

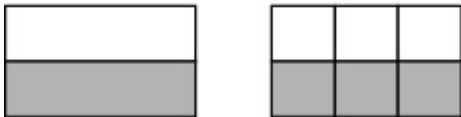
- A. $\frac{1}{7}$
 B. $\frac{1}{6}$
 C. $\frac{1}{5}$
 D. $\frac{1}{1}$

23. Kia and Rob each had a bar of chocolate. Kia ate $\frac{1}{2}$ of her bar, and Rob ate an equivalent fraction of his bar. Rob ate more chocolate than Kia. Which pair of pictures shows how this could be true?


A. **Kia** **Rob**




B. **Kia** **Rob**



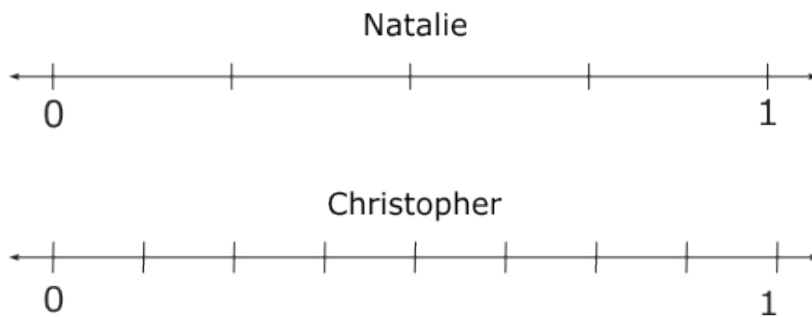
C. **Kia** **Rob**



D. **Kia** **Rob**



24. Natalie and Christopher drew the number lines below.



Which fraction on Christopher's number line would be in the same position as $\frac{2}{4}$ on Natalie's number line?

- A. $\frac{2}{8}$
- B. $\frac{4}{8}$
- C. $\frac{3}{4}$
- D. $\frac{4}{4}$

25. Lauren, Arianna, and Niyah each have 72 coins saved in jars.

- $\frac{2}{8}$ of Lauren's coins are dimes.
- $\frac{2}{3}$ of Arianna's coins are dimes.
- $\frac{1}{4}$ of Niyah's coins are dimes.

Part A

Complete the number sentence below using one of these symbols ($<$, $>$, or $=$) so that the number sentence is true.

$$\frac{2}{8} \text{ — } \frac{1}{4}$$

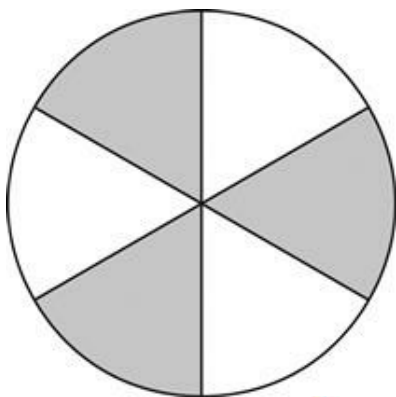
Part B

Which of the three girls had the greatest number of dimes in her jar? Show or explain how you got your answer.

Part C

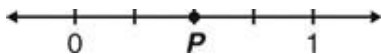
Mara also has a jar containing 72 coins. She has more dimes in her jar than any of the other three girls. Write a fraction that could represent the amount of dimes in her jar. Explain how you know your answer is correct.

26. Barbara shaded $\frac{3}{6}$ of the circle.



Which of these is equal to $\frac{3}{6}$?

- A. $\frac{1}{6}$
 - B. $\frac{6}{3}$
 - C. $\frac{1}{3}$
 - D. $\frac{1}{2}$
27. Where is Point P on the number line?



- A. $\frac{1}{3}$
- B. $\frac{2}{5}$
- C. $\frac{1}{2}$
- D. $\frac{3}{5}$

28. Which inequality describes the model below?



A. $\frac{1}{2} > \frac{3}{8}$

B. $\frac{1}{2} > \frac{1}{3}$

C. $\frac{4}{8} > \frac{1}{3}$

D. $\frac{5}{8} > \frac{3}{8}$

29. Lia ate a piece of pie.



How much of the pie is gone?

A. $\frac{1}{4}$ of the pie

B. $\frac{1}{3}$ of the pie

C. $\frac{3}{4}$ of the pie

D. $\frac{3}{3}$ of the pie

30. On which number line does Point T best represent $\frac{1}{8}$?

