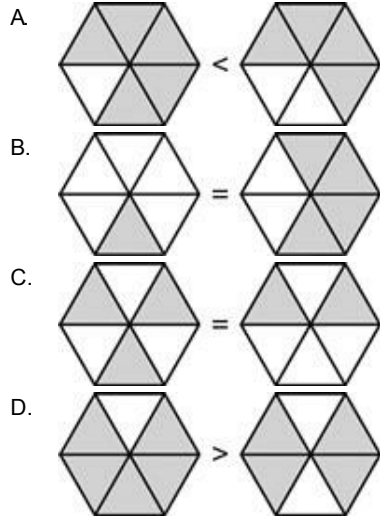


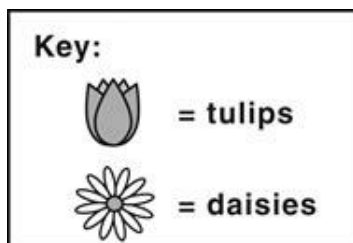
TEST NAME: **EOG Review - Fractions**
TEST ID: **1697119**
GRADE: **03 - Third Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

Student: _____
Class: _____
Date: _____

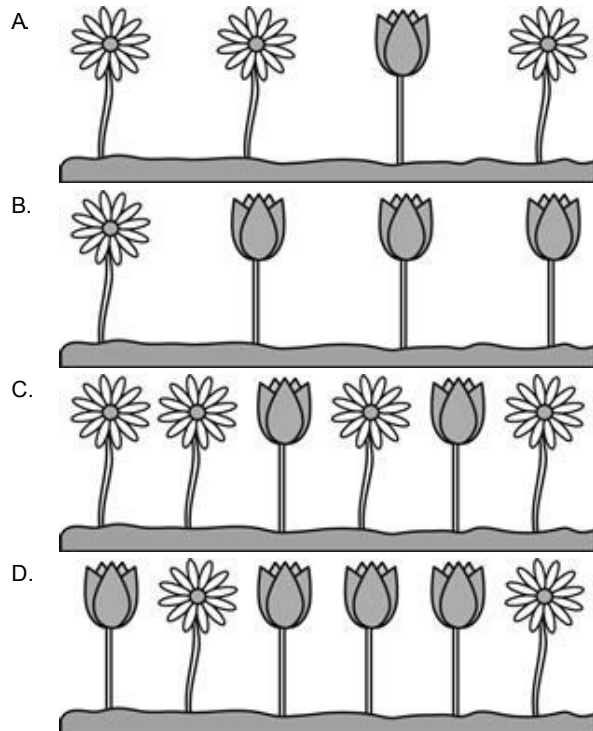
1. Molly drew two figures on her book cover. Each figure is exactly the same size and shape. She shaded 5 parts on the first figure and 4 parts on the second figure. Which models correctly compare Molly's two shaded figures?



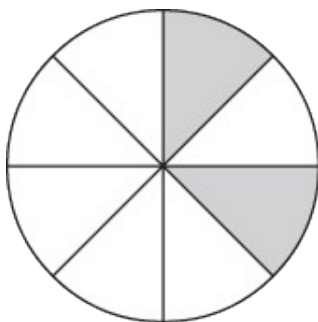
2. Phan is planting a row of flowers with tulips and daisies. He wants $\frac{4}{6}$ of the flowers to be tulips.



Which row could Phan be planting?

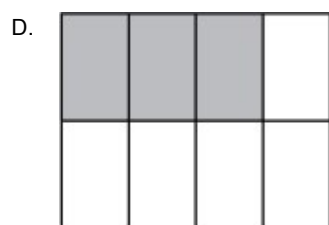
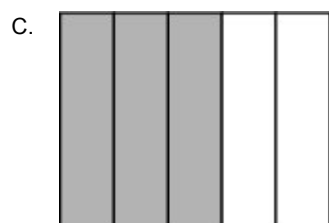
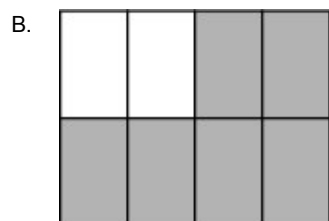
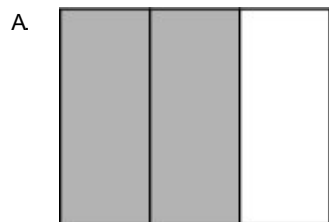


3. Which fraction best represents the amount of the model below that is shaded?

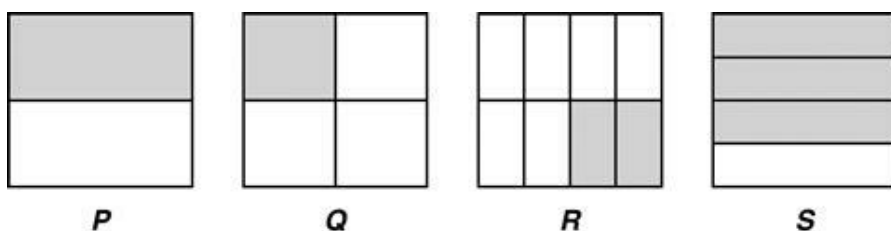


- A. $\frac{1}{8}$
- B. $\frac{1}{4}$
- C. $\frac{2}{6}$
- D. $\frac{2}{4}$

4. Eric shaded a model to show $\frac{3}{4}$. Julia shaded a model to show an equivalent fraction. Which model could be the one Julia shaded?



5. Four fraction models are shown below.



Which two models are shaded to represent equal fractions?

- A. Models *P* and *Q*
- B. Models *Q* and *S*
- C. Models *Q* and *R*
- D. Models *P* and *S*

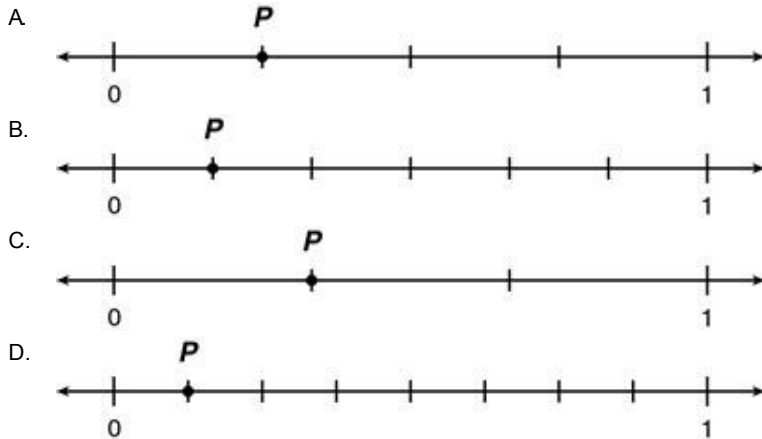
6. Leonard wrote a number sentence that compares two fractions. He has a missing number in one of the fractions.

$$\frac{1}{\square} > \frac{1}{3}$$

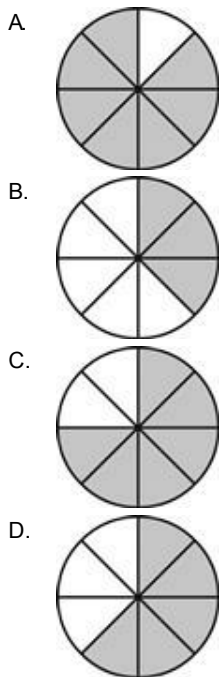
What number could go in the box to make the number sentence true?

- A. 6
- B. 5
- C. 4
- D. 2

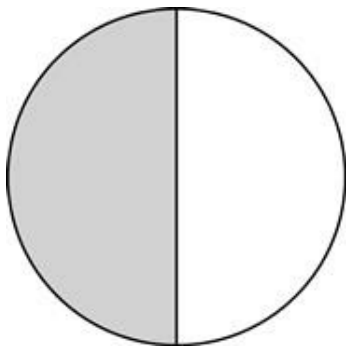
7. On which number line does Point P best show $\frac{1}{4}$?



8. Which picture is shaded to show the fraction $\frac{3}{4}$?

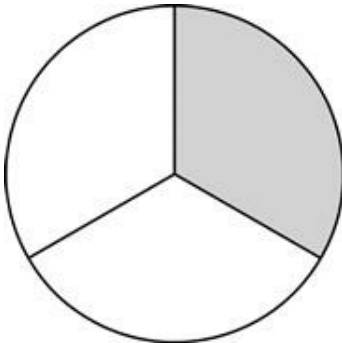


9. The circle is shaded to show $\frac{1}{2}$.

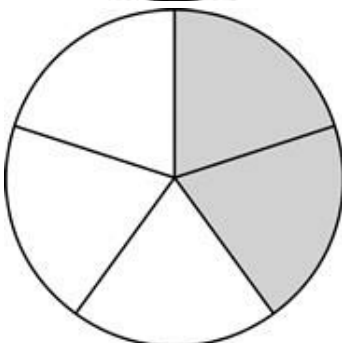


Which circle is shaded to show a fraction that is equivalent to $\frac{1}{2}$?

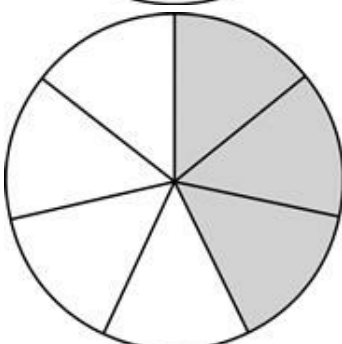
A.



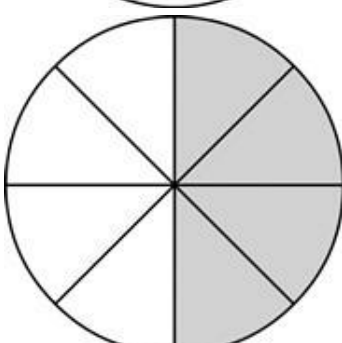
B.



C.



D.

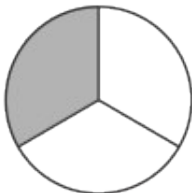


10. Which picture represents the fraction $\frac{1}{4}$?

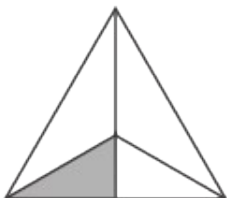
A.



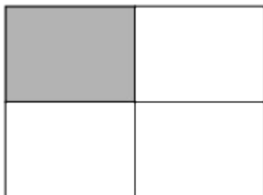
B.



C.

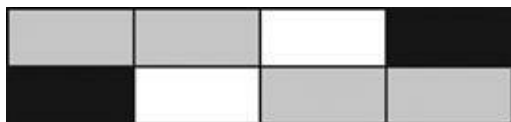


D.

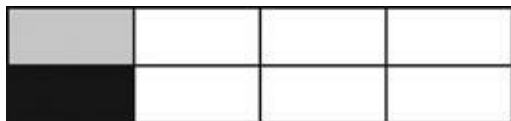


11. In Jamal's stained glass art design, $\frac{3}{4}$ of the pieces of glass are not white. Which design could be Jamal's stained glass art design?

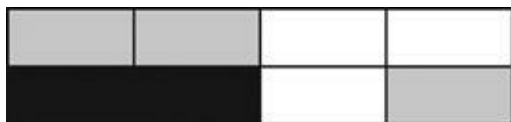
A.



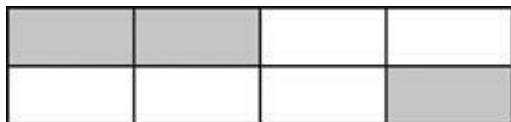
B.



C.



D.



12. Shelly ate $\frac{2}{3}$ of her sandwich. Debbie ate $\frac{2}{4}$ of her sandwich. Which is true about the amount of sandwich the girls ate?


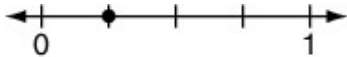

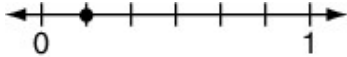
- A. $\frac{2}{3} < \frac{2}{4}$
B. $\frac{2}{3} = \frac{2}{4}$
C. $\frac{2}{4} > \frac{2}{3}$
D. $\frac{2}{4} < \frac{2}{3}$

13. Seth is making a cake for lunch. The amounts of flour, water, sugar, and chocolate chips he needs for the cake are shown below.

SETH'S RECIPE

Ingredient	Amount Needed (in cups)
Flour	$\frac{1}{3}$
Water	$\frac{1}{2}$
Sugar	$\frac{1}{4}$
Chocolate Chips	$\frac{1}{8}$

Which number line shows how much water Seth needs, in cups?

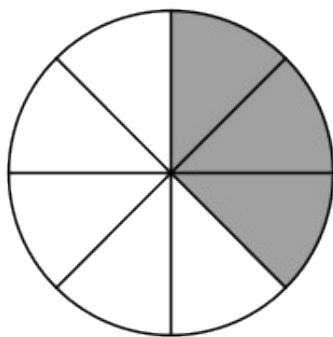
- A. 
B. 
C. 
D. 

14. The number line below shows one inch.



What is the distance from 0 to point Y?


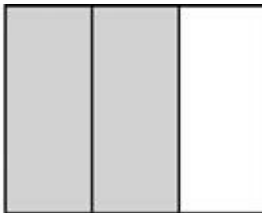
- A. $\frac{2}{3}$ inch
- B. $\frac{3}{3}$ inch
- C. $\frac{2}{4}$ inch
15. John and Bill ate some of the cake shown below. The shaded pieces represent the amount that was eaten.





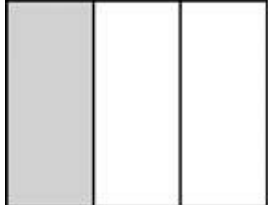

What fraction of the cake did John and Bill eat?

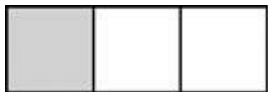

- A. $\frac{8}{3}$
- B. $\frac{3}{5}$
- C. $\frac{5}{8}$
- D. $\frac{3}{8}$

16. Which shaded figures show that $\frac{1}{3} < \frac{2}{3}$?

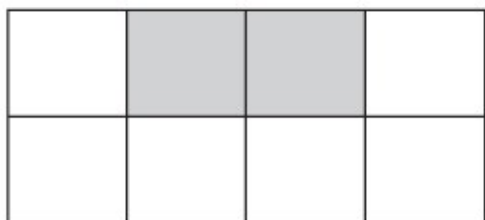
A.  $<$ 

B.  $<$ 

C.  $<$ 

D.  $<$ 

17. A large rectangle is divided into equal parts.

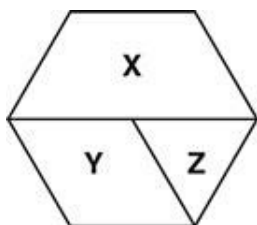


$$\frac{2}{6}$$

A student said that $\frac{2}{6}$ of the rectangle is shaded. Why is this student not correct?

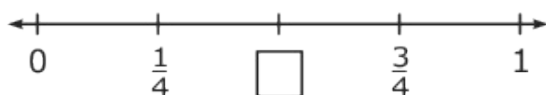
- A. There are less than 2 shaded parts.
- B. There are less than 6 parts in the whole.
- C. There are more than 2 shaded parts.
- D. There are more than 6 parts in the whole.

18. What part of the hexagon's area does Triangle Z make up?



- A. $\frac{1}{2}$
- B. $\frac{1}{3}$
- C. $\frac{1}{5}$
- D. $\frac{1}{6}$

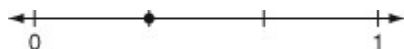
19. Sam drew the number line below.



Which fractions could be placed in the box?

- A. $\frac{2}{4}, \frac{4}{2}$
- B. $\frac{2}{4}, \frac{1}{2}$
- C. $\frac{1}{2}, \frac{2}{1}$

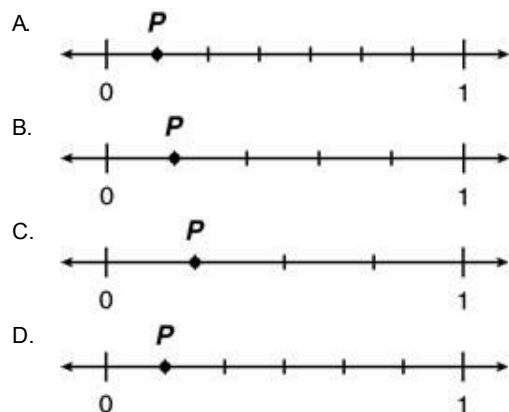
20. William made a point on the number line below.



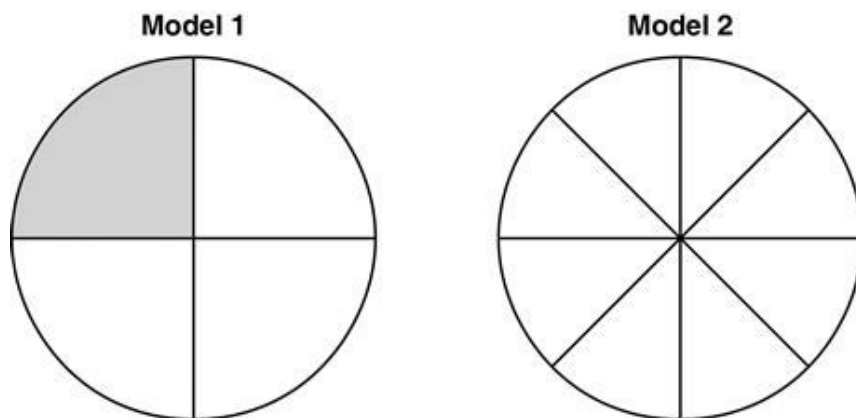
Which fraction would be located at the same point on the number line?

- A. $\frac{2}{3}$
- B. $\frac{2}{6}$
- C. $\frac{1}{4}$
- D. $\frac{3}{8}$

21. Which number line shows Point P at $\frac{1}{6}$?



22. Each model below is divided into equal-sized parts.



One-fourth of Model 1 is shaded. Exactly how many of the parts in Model 2 should be shaded to show a fraction that is equal to $\frac{1}{4}$?

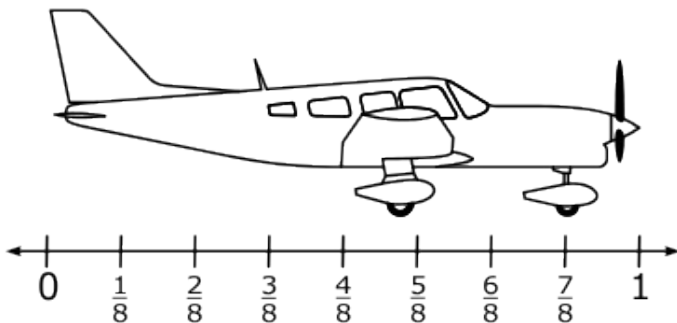
- A. 1
- B. 2
- C. 4
- D. 6

23.

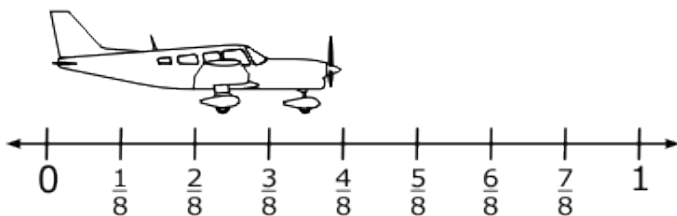
Brandon measured the length of his toy plane. It is $\frac{1}{8}$ of a unit long.

Which shows the length of his plane?

A.



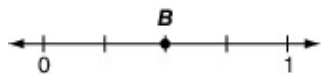
B.



C.



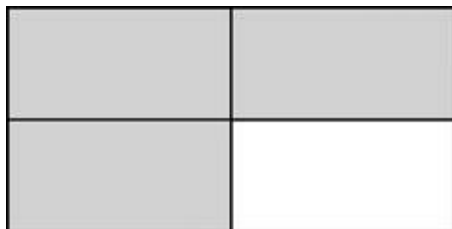
24. The number line shows the location of point B .



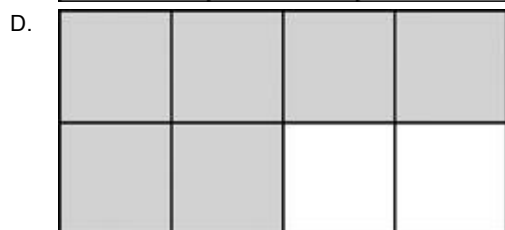
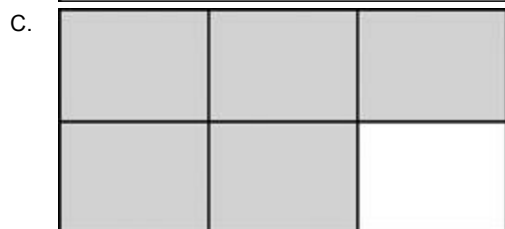
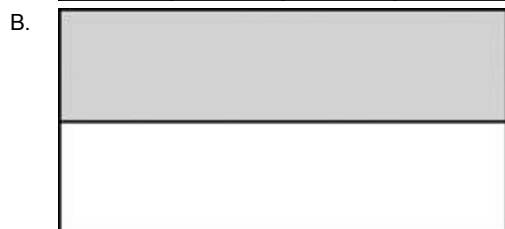
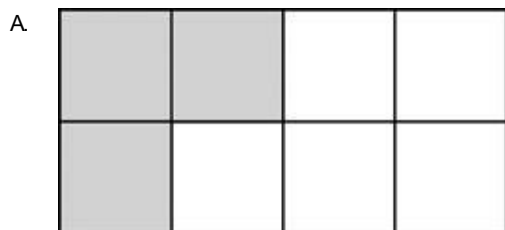
What is the location of point B ?

- A. $\frac{1}{4}$
- B. $\frac{2}{4}$
- C. $\frac{2}{5}$
- D. $\frac{3}{5}$

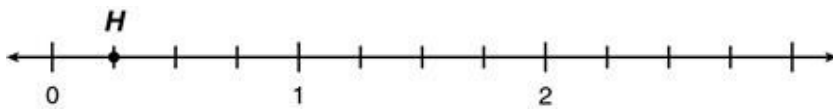
25. Mrs. Stanley brought a chocolate cake and a lemon cake to a family reunion. Each cake was the same size. The shaded model below represents the fraction of the chocolate cake that was eaten.



The fraction of the lemon cake that was eaten is equal to the fraction of the chocolate cake that was eaten. Which shaded model could represent the fraction of the lemon cake that was eaten?



26. A number line is shown below.



What fraction does Point *H* show on the number line?

- A. $\frac{3}{4}$
- B. $\frac{2}{4}$
- C. $\frac{1}{3}$
- D. $\frac{1}{4}$

27. Which fraction is equal to 1?

- A. $\frac{10}{8}$
- B. $\frac{10}{1}$
- C. $\frac{1}{6}$
- D. $\frac{6}{6}$

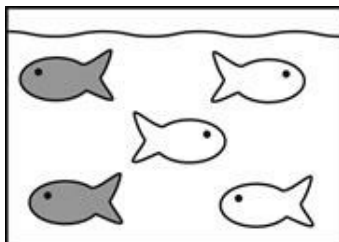
28. Which fraction represents the shaded part of the figure below?



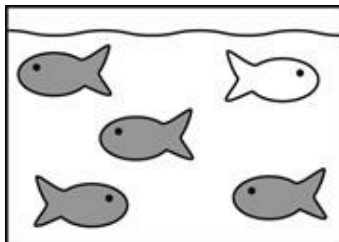
- A. $\frac{1}{4}$
- B. $\frac{2}{4}$
- C. $\frac{3}{4}$
- D. $\frac{4}{4}$

29. In Ariel's fish tank, $\frac{2}{3}$ of the fish are gray. Which of the following could be Ariel's fish tank?

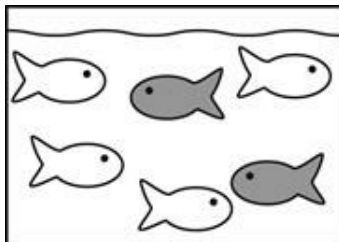
A.



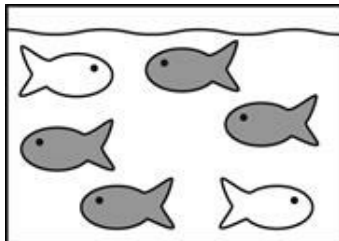
B.



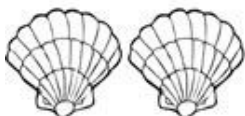
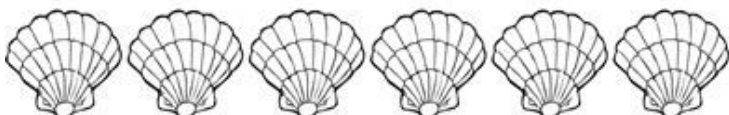
C.



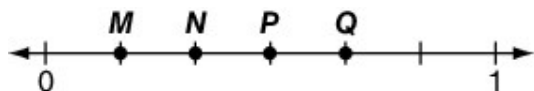
D.



30. Leonard collected 8 shells at the beach. Of the shells he collected, $\frac{5}{8}$ were white, and the rest were black. Which group of shells could represent the shells Leonard collected?



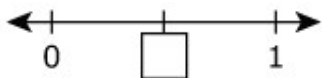
31. Cierra finished $\frac{2}{6}$ of her homework before dinner.



Which point shows how much homework Cierra finished before dinner?

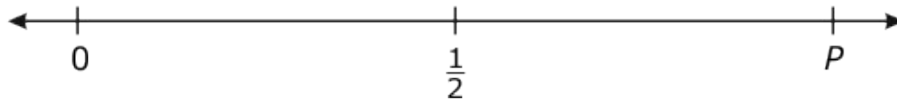
- A. Point *M*
- B. Point *N*
- C. Point *P*
- D. Point *Q*

32. Which fraction belongs in the box?



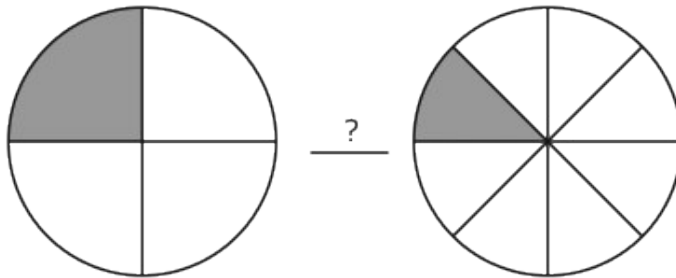
- A. $\frac{1}{2}$
- B. $\frac{1}{3}$
- C. $\frac{1}{4}$
- D. $\frac{1}{8}$

33. Which number can replace the P on the number line below?



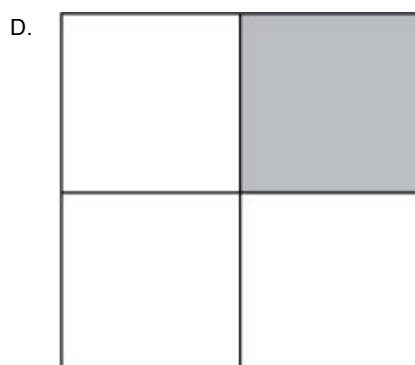
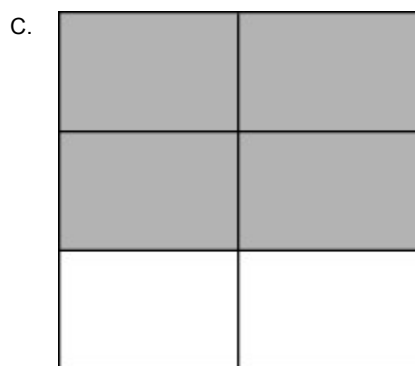
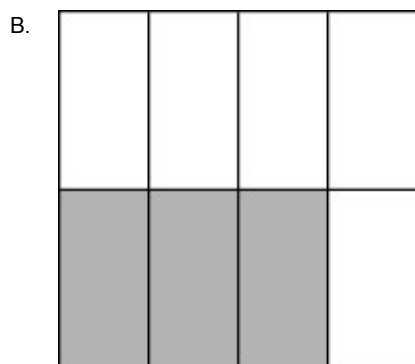
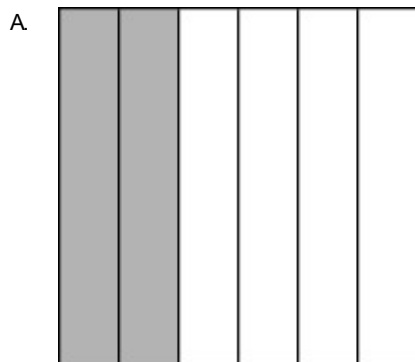
- A. $\frac{1}{3}$
- B. $\frac{2}{2}$
- C. $\frac{2}{1}$

34. Which number sentence represents the model below?



- A. $\frac{1}{4} < \frac{1}{8}$
- B. $\frac{1}{4} = \frac{1}{8}$
- C. $\frac{1}{4} > \frac{1}{8}$

35. Jan shaded a model to show $\frac{1}{3}$. Lavon shaded an equivalent fraction of his model. Which fraction model did Lavon shade?

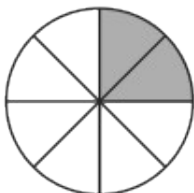


36. Zac has an 8-pack of crayons. He let Corey borrow 2 crayons. Which shaded area shows the fraction of the crayons Zac has left?

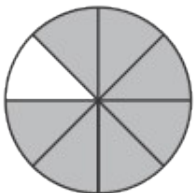
A.



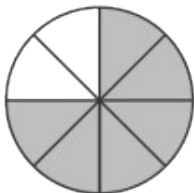
B.



C.

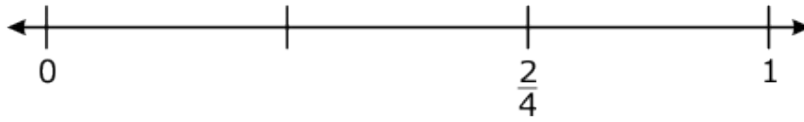


D.

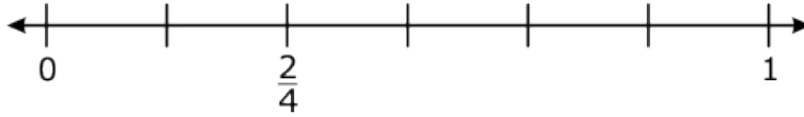


37. Carl correctly drew a number line and labeled $\frac{2}{4}$ on it. Which is his number line?

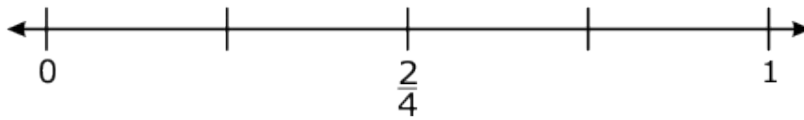
A.



B.



C.

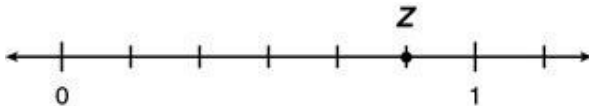


38. This number line shows the size of 1 unit.



Which number line shows Point Z at $\frac{5}{6}$ of this unit?

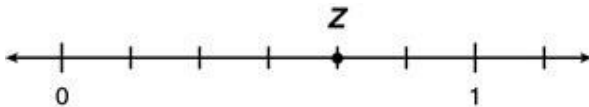
A.



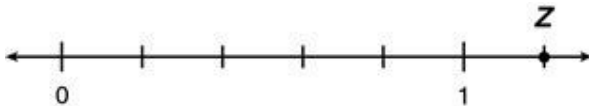
B.



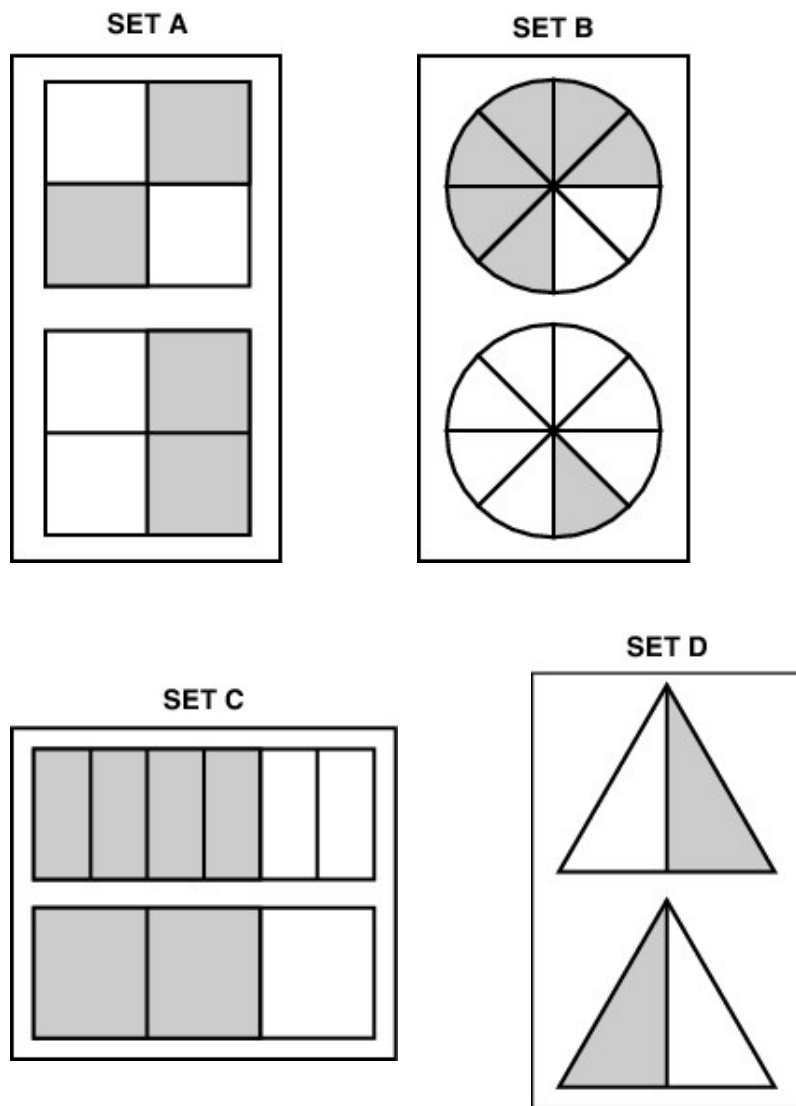
C.



D.



39. Ivan painted some sets of shapes to show different fractions.



How many of the sets show equivalent fractions?

- A. 1
- B. 2
- C. 3
- D. 4

40. White beads make up $\frac{2}{8}$ of the total beads in Trina's necklace. Which statement is true about the fraction of white beads?

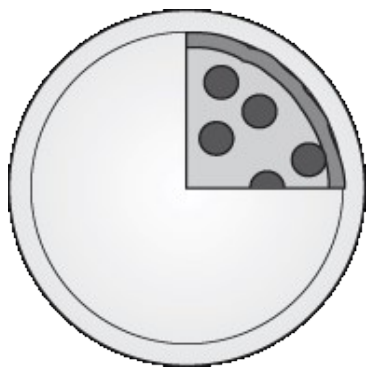
A. $\frac{2}{8} = \frac{8}{2}$

B. $\frac{2}{8} = \frac{4}{8}$

C. $\frac{2}{8} = \frac{2}{4}$

D. $\frac{2}{8} = \frac{1}{4}$

41. Michael and some friends ate a pizza for dinner. Michael cut the pizza into equal-sized slices. The picture shows the amount of pizza left after dinner.



Which fraction represents the amount of the pizza left after dinner?

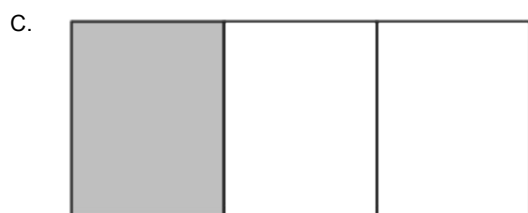
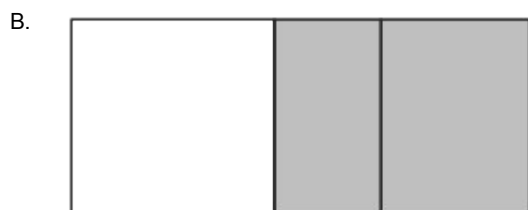
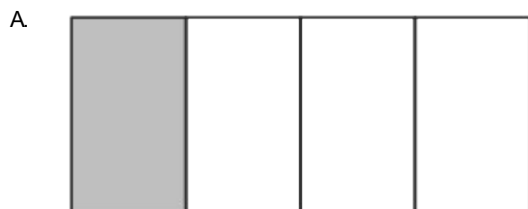
A. $\frac{1}{4}$

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

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

D. $\frac{3}{4}$

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



43. Which is the equivalent fraction for the shaded portion of the figure below?



- A. $\frac{1}{8}$
- B. $\frac{1}{4}$
- C. $\frac{2}{6}$
- D. $\frac{1}{2}$

44. What fraction of the set of circles is shaded?



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

45. What is the distance from 0 to point G on the number line below?



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

46. Mitchell drew a diagram of the floor in his bedroom. He shaded sections of the diagram to represent his bed. His bed covers $\frac{2}{8}$ of the floor in his bedroom. Which diagram could be the one Mitchell drew?

Mitchell drew?

- A.
- B.
- C.
- D.

47. What is the value of T on the number line below?



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

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

C. $\frac{6}{7}$

48. Ruth has $\frac{12}{4}$ apple pies. Which whole number shows how many pies Ruth has?

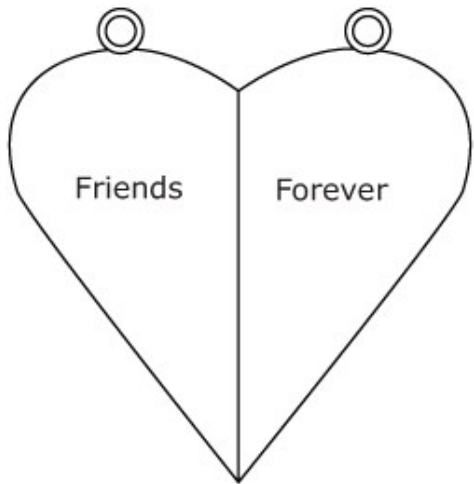
A. 3

B. 8

C. 16

D. 48

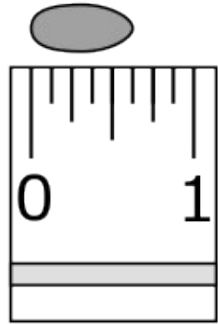
49. A heart-shaped charm is divided equally into two pieces.



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. $\frac{1}{4}$

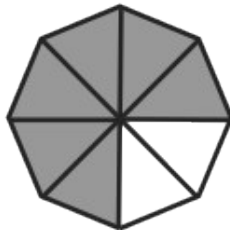
50. Danny was measuring the length of seeds in his science class.



What is the length of Danny's seed?

- A. $\frac{5}{8}$ inch
- B. $\frac{6}{8}$ inch
- C. $\frac{5}{1}$ inches

51. Which fraction is equal to the shaded parts of the polygon below?



- A. $\frac{3}{4}$
- B. $\frac{3}{8}$
- C. $\frac{1}{4}$
- D. $\frac{1}{8}$

52. Bella made pancakes for breakfast.

- $\frac{2}{8}$ of the pancakes had blueberries.
- $\frac{2}{6}$ of the pancakes had chocolate chips.
- The rest of the pancakes were plain.

Which statement correctly compares the number of pancakes that had blueberries and the number that had chocolate chips?

- A. $\frac{2}{8} > \frac{2}{6}$
- B. $\frac{2}{8} < \frac{2}{6}$
- C. $\frac{2}{8} = \frac{2}{6}$
- D. $\frac{10}{14} > \frac{4}{14}$

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

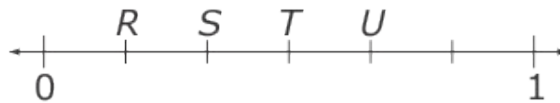


- A. $\frac{4}{5}$
- B. $\frac{4}{6}$
- C. $\frac{5}{6}$
- D. $\frac{5}{7}$

54. At which point is $\frac{3}{4}$ located on the number line?



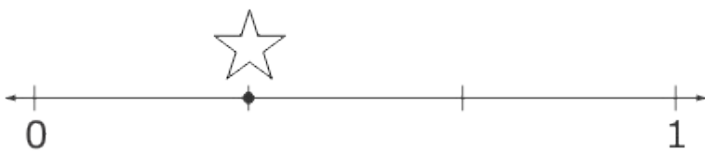
- A. *P*
B. *Q*
C. *R*
D. *S*
55. Lucy cut a ribbon for a hat she made. She used $\frac{4}{6}$ of the ribbon. At which letter is $\frac{4}{6}$ on the number line below?



- A. *R*
B. *S*
C. *T*
D. *U*

56. On which number line is a fraction equal to $\frac{3}{4}$ marked with a star?

A.



B.



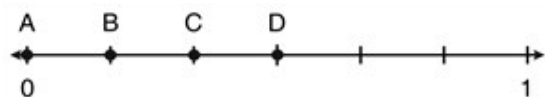
C.



D.

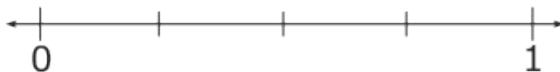


57. Which point represents $\frac{1}{3}$?



- A. A
- B. B
- C. C
- D. D

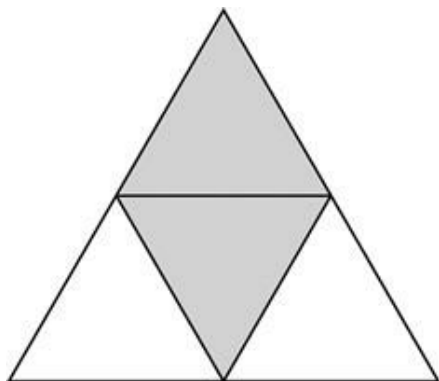
58. Fred drew the number line below.



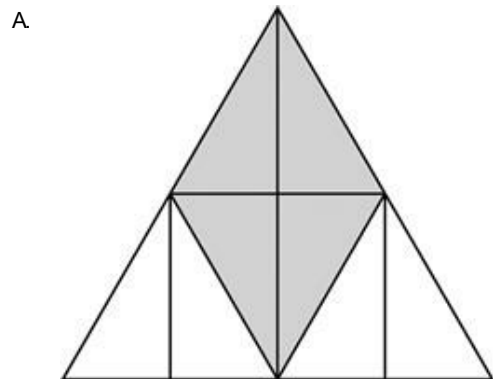
What fraction does each segment represent?

- A. $\frac{1}{2}$
- B. $\frac{1}{3}$
- C. $\frac{1}{4}$
- D. $\frac{1}{5}$

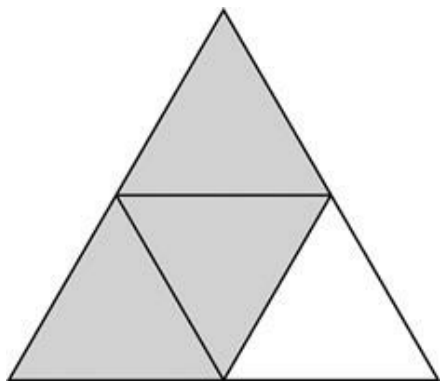
59. The model below is shaded to represent a fraction.



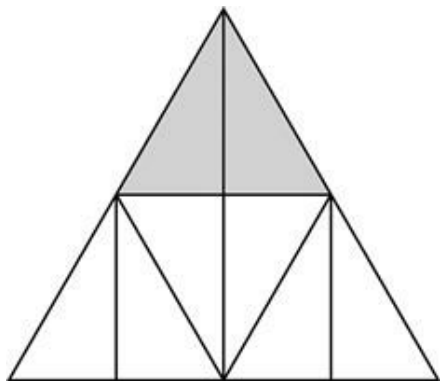
Which model is shaded to represent an equal fraction?



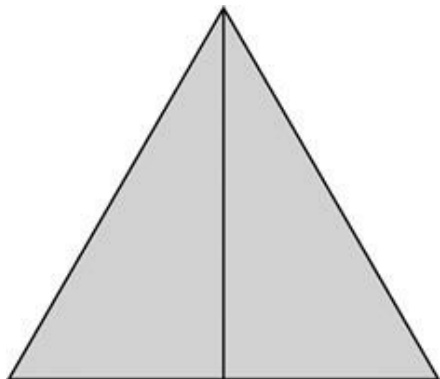
B.



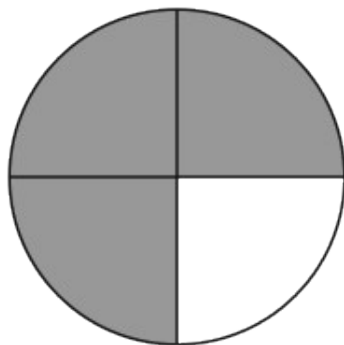
C.



D.



60. In the figure below, what fraction of the shape is shaded?



A. $\frac{1}{3}$

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

C. $\frac{3}{4}$