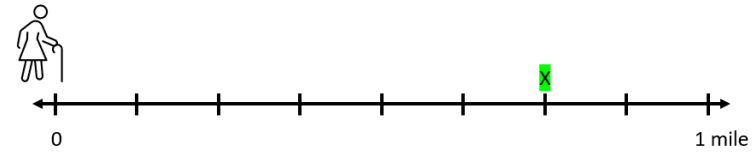
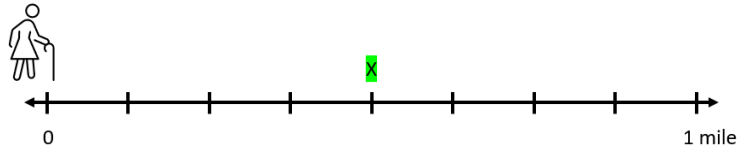
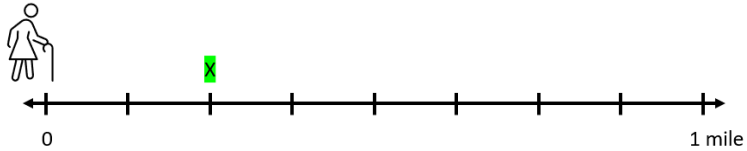
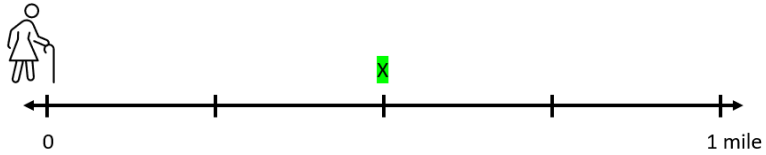
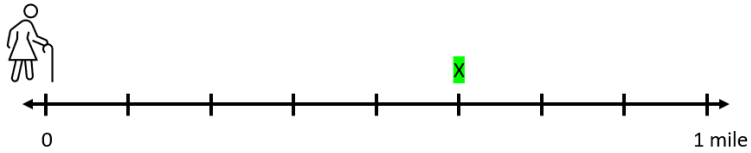
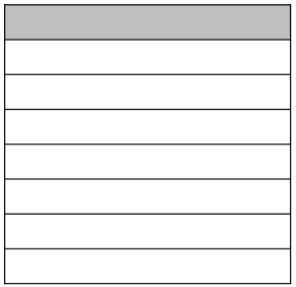
Unit: 3rd Fractions
Lesson: 3.6.E and 3.7.A – Different Shaped Fractions
Problem Set: 1

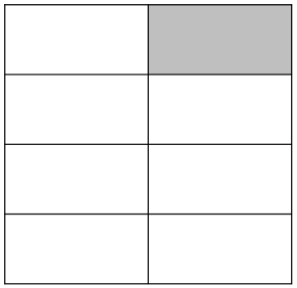
1. C	**2.** B	**3.** C	**4.** A	**5.** 	**6.** A,D
7. C	**8.** D	**9.** C	**10.** C	**11.** 	**12.** A,D
13. A	**14.** D	**15.** D	**16.** B	**17.** 	**18.** B,C
19. B	**20.** A	**21.** D	**22.** B	**23.** 	**24.** A,C
25. A	**26.** B	**27.** B	**28.** D	**29.** 	**30.** C,D

1. Kailani drew four congruent squares. She shaded the same fraction of each square. This is one of Kailani's squares.

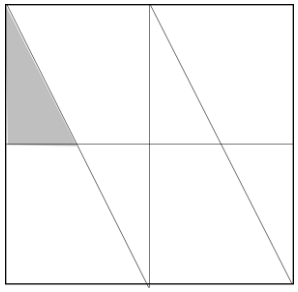


Which square CANNOT be another one of Kailani's squares?

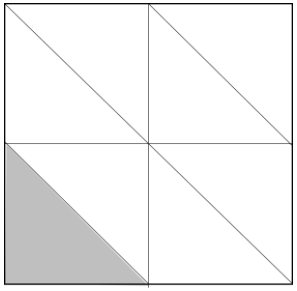
A



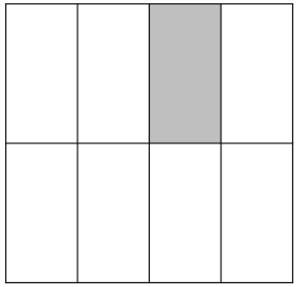
C



B

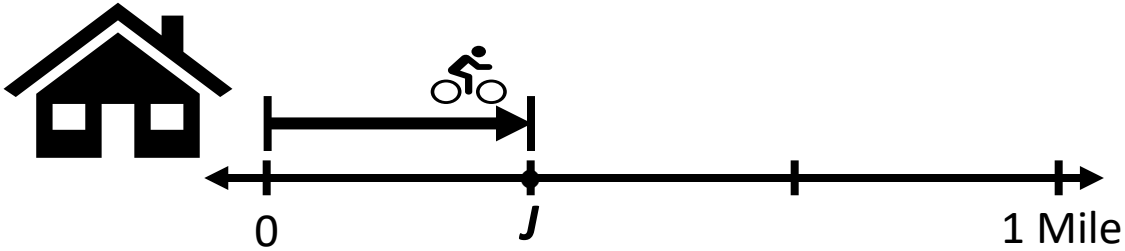


D

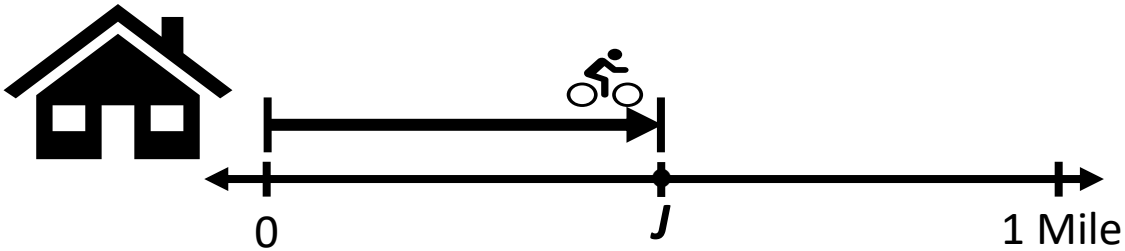


2. Javier rode his bike a distance of $\frac{1}{2}$ a mile from his house. On which number line does point *J* represent Javier's position after riding his bike?

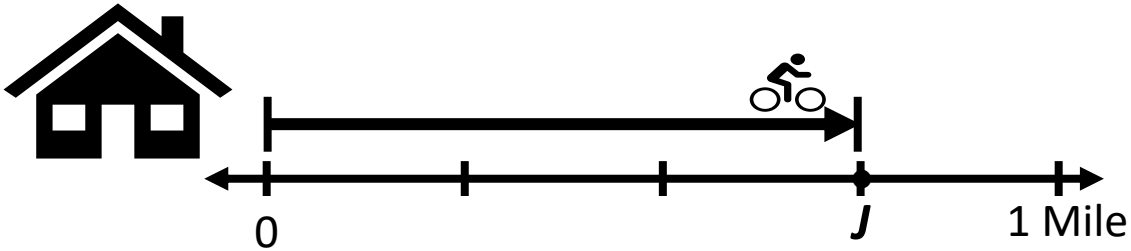
A.



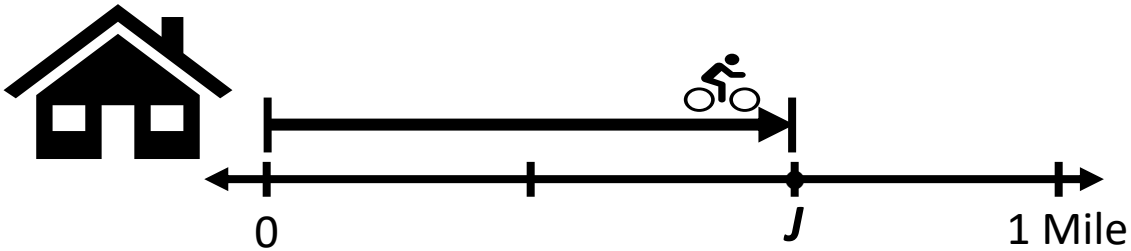
B.



C.

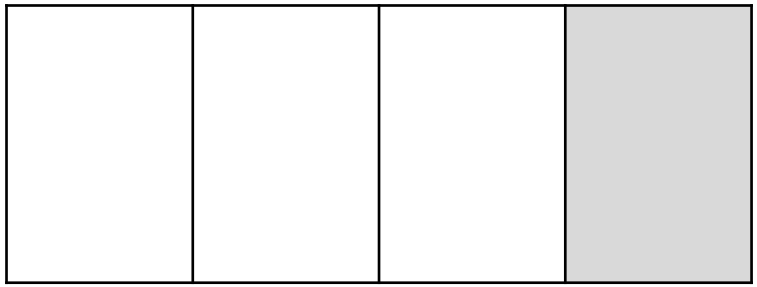


D.

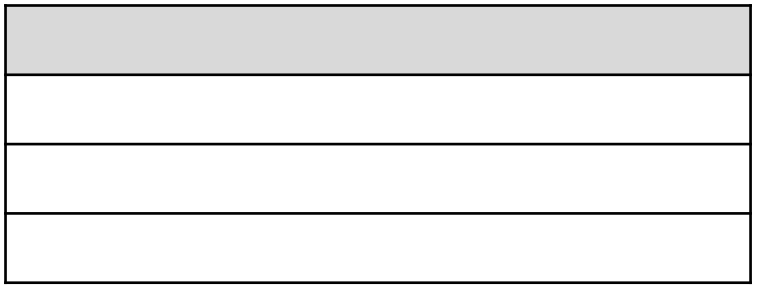


3. The shapes are congruent. Circle the shape that does NOT have the same fraction of area shaded as the other 3?

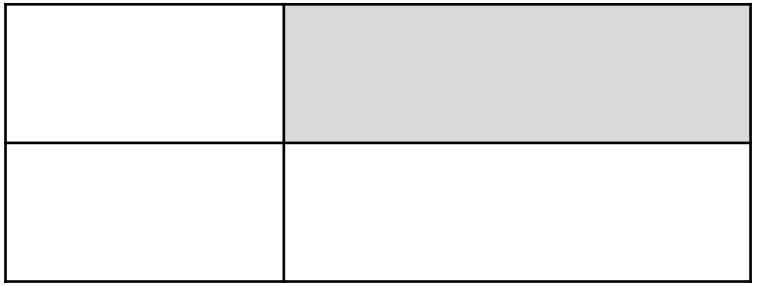
A.



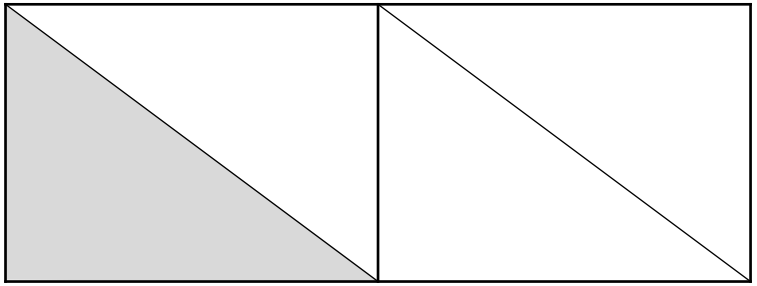
B.



C.

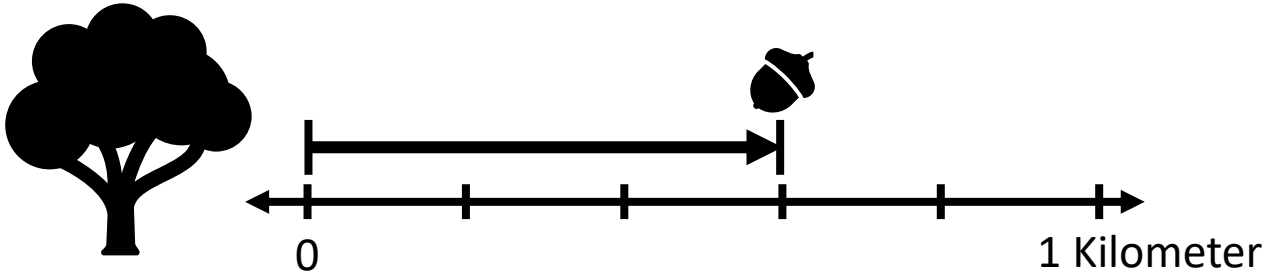


D.

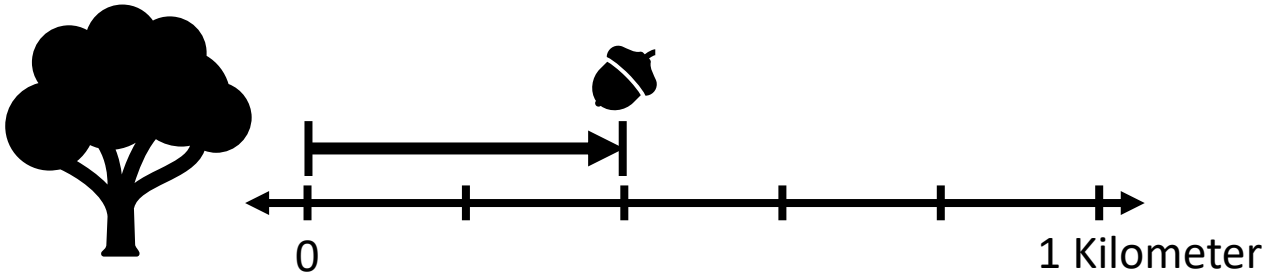


4. A Squirrel buried an acorn $\frac{3}{5}$ of a kilometer from the tree. Which number line shows the acorn to be $\frac{3}{5}$ of a kilometer from the tree.

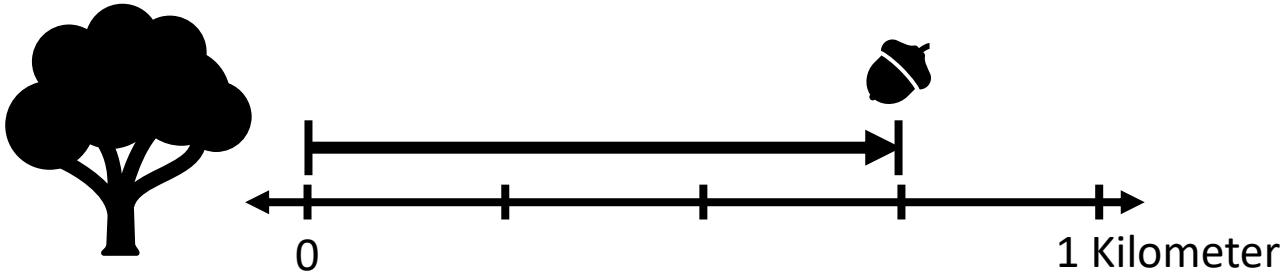
A.



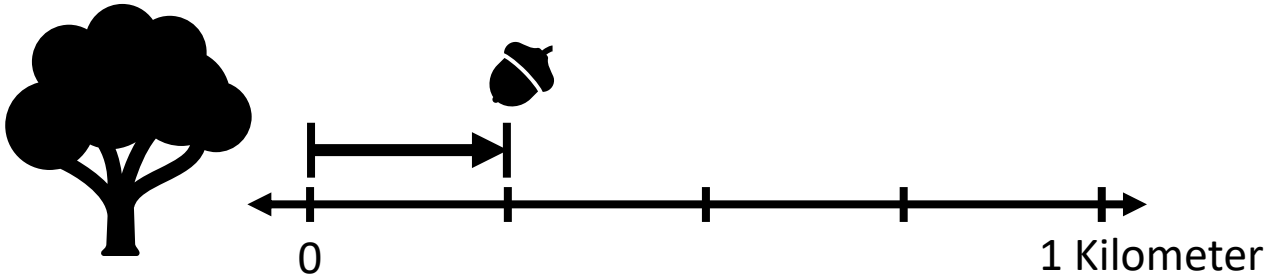
B.



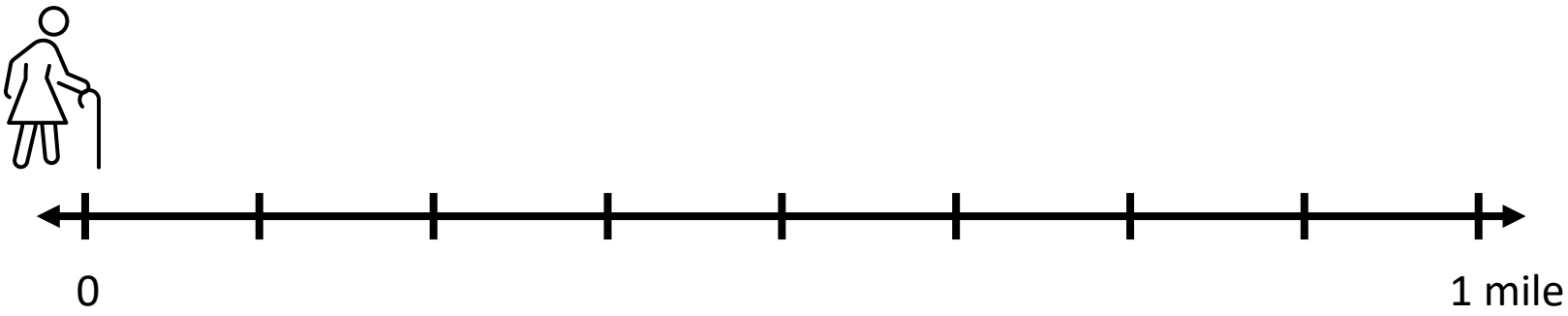
C.



D.

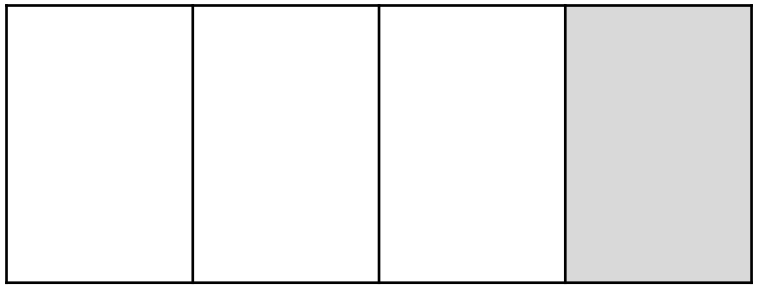


5. Grandma wants to walk $\frac{3}{4}$ of a mile to get in her steps for the day. Mark an *X* on the number Line to show $\frac{3}{4}$ of a mile.

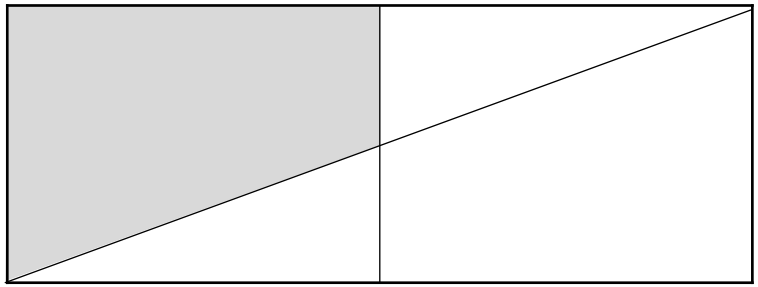


6. Circle the two shapes that have the same fraction of area shaded.

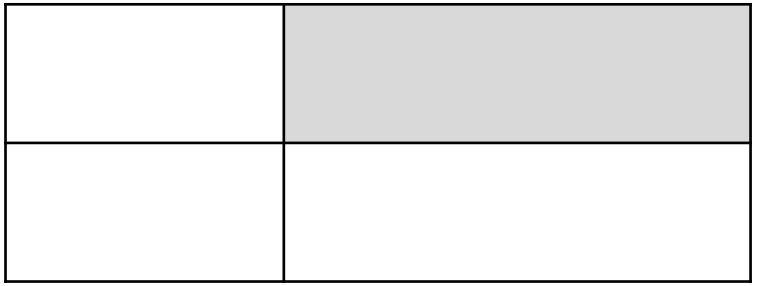
A.



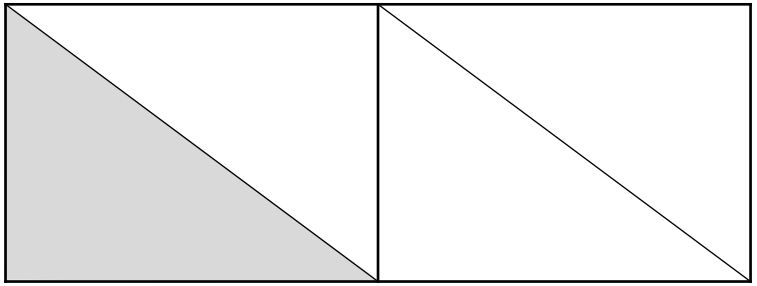
B.



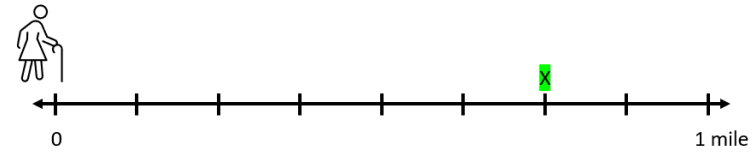
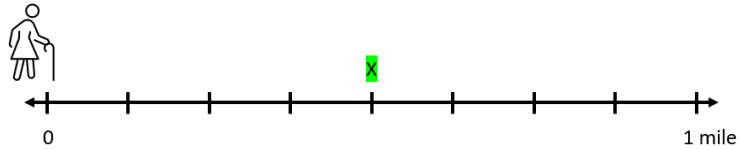
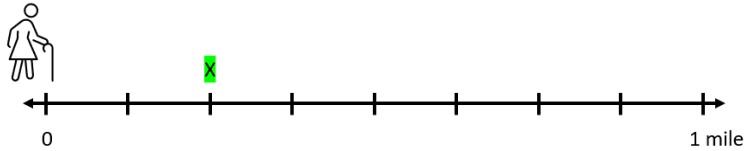
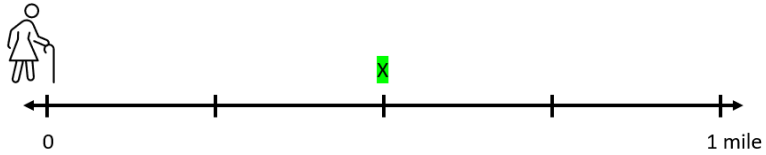
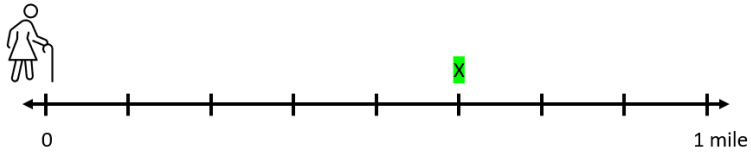
C.



D.



Unit: 3rd Fractions
Lesson: 3.6.E and 3.7.A – Different Shaped Fractions
Problem Set: 2

1. C	**2.** B	**3.** C	**4.** A	**5.** 	**6.** A,D
7. C	**8.** D	**9.** C	**10.** C	**11.** 	**12.** A,D
13. A	**14.** D	**15.** D	**16.** B	**17.** 	**18.** B,C
19. B	**20.** A	**21.** D	**22.** B	**23.** 	**24.** A,C
25. A	**26.** B	**27.** B	**28.** D	**29.** 	**30.** C,D

7. The two figures shown are congruent and one-fourth of each figure is shaded.

Figure M

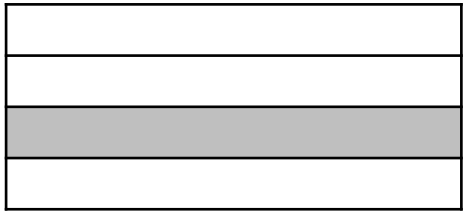


Figure N

Which statement is true?

A. The area of the shaded part of Figure M is greater than the area of the shaded part of Figure N.

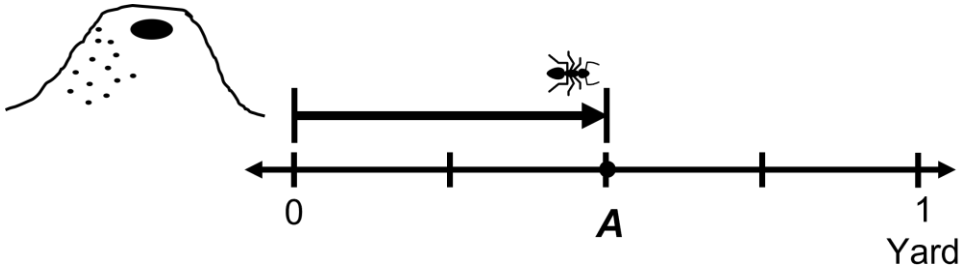
B. The area of the shaded part of Figure M is less than the area of the shaded part of Figure N.

C. The area of the shaded part of Figure M is equal to the area of the shaded part of Figure N.

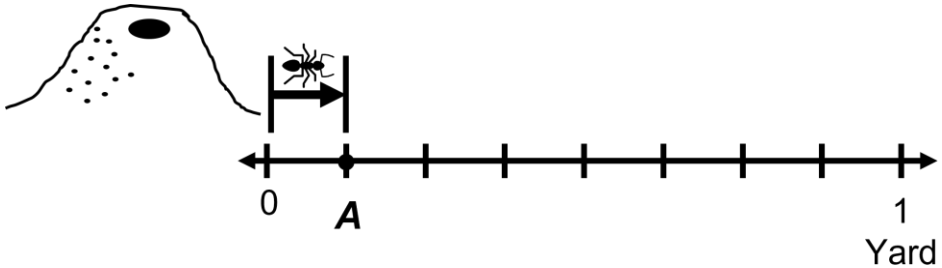
D. None of the above.

8. An ant crawled $\frac{2}{8}$ yard from an ant mound. On which number line does point *A* represent the ant's position after crawling $\frac{2}{8}$ yard?

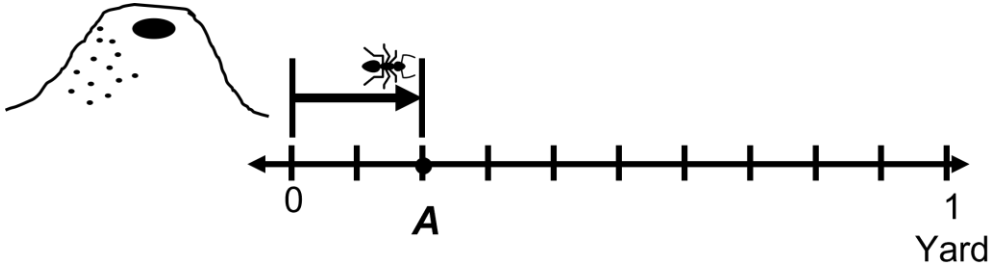
A.



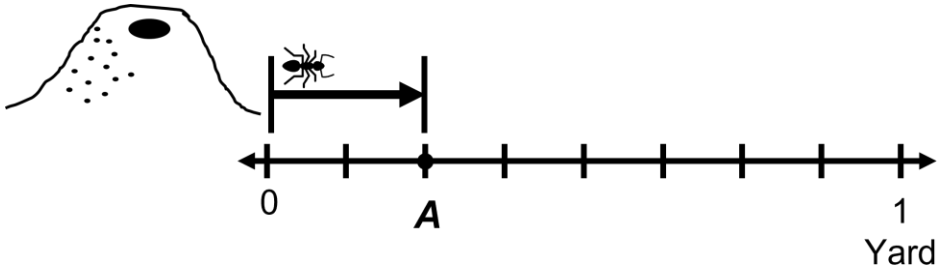
B.



C.

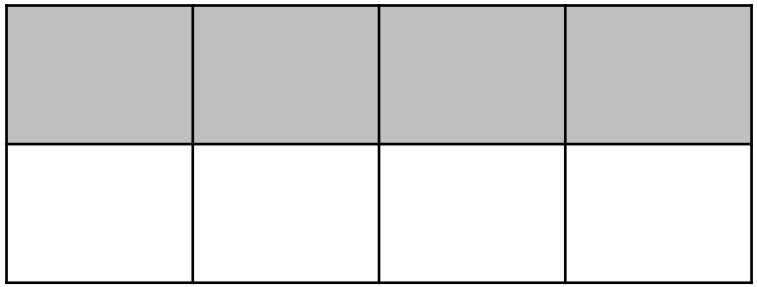


D.

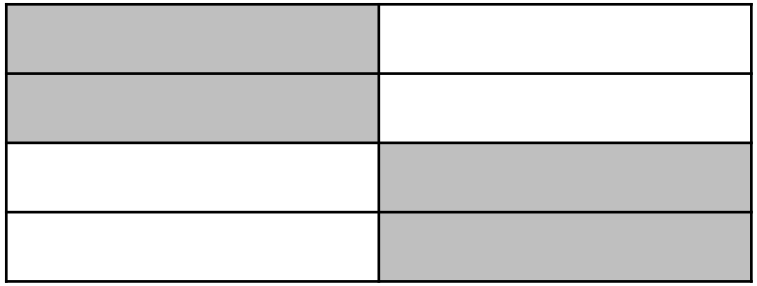


9. The shapes are congruent. Circle the shape that does NOT have the same fraction of area shaded as the other 3?

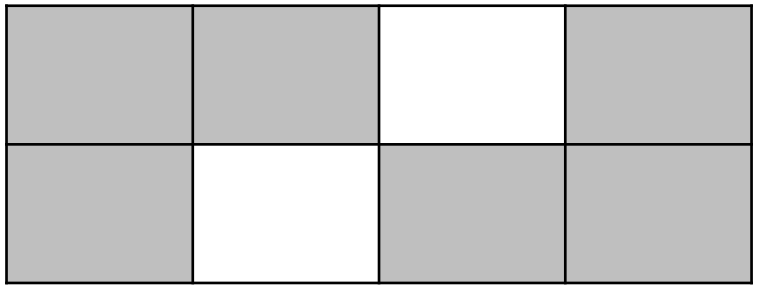
A.



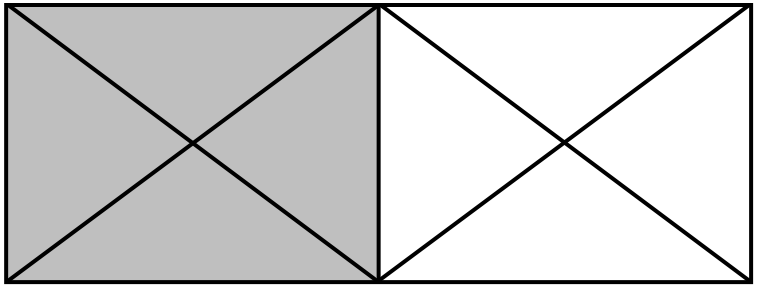
B.



C.

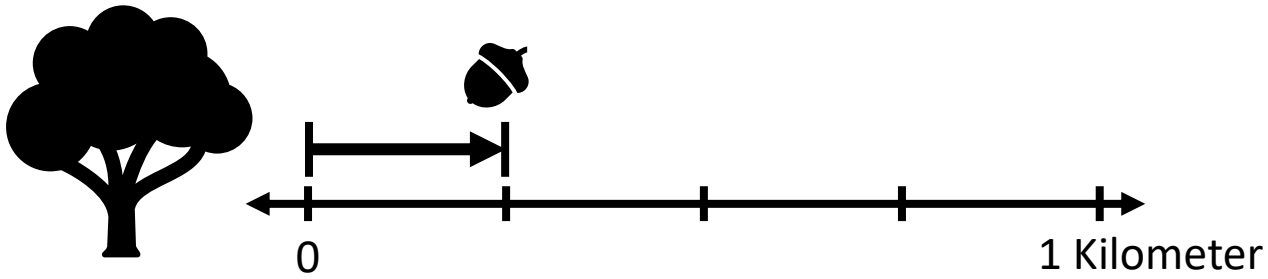


D.

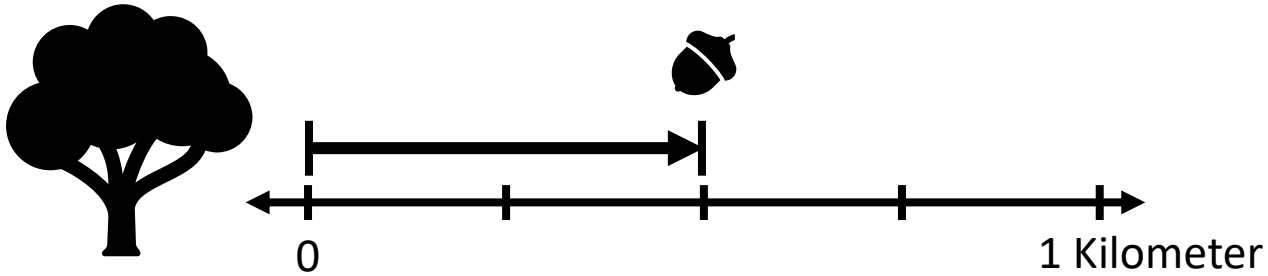


10. A Squirrel buried an acorn $\frac{3}{4}$ of a kilometer from the tree. Which number line shows the acorn to be $\frac{3}{4}$ of a kilometer from the tree.

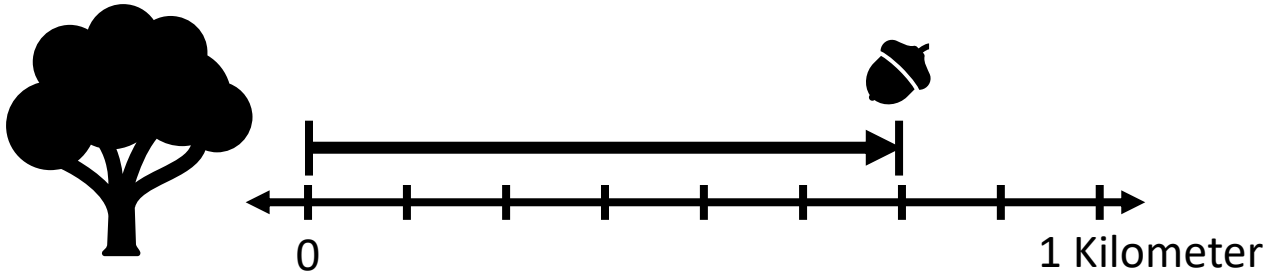
A.



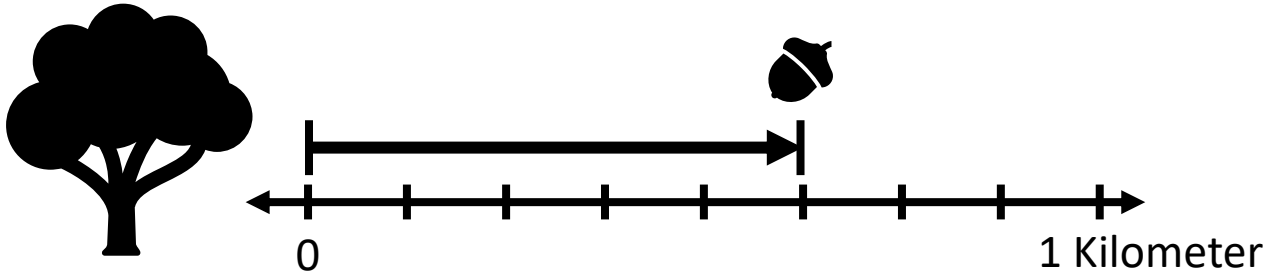
B.



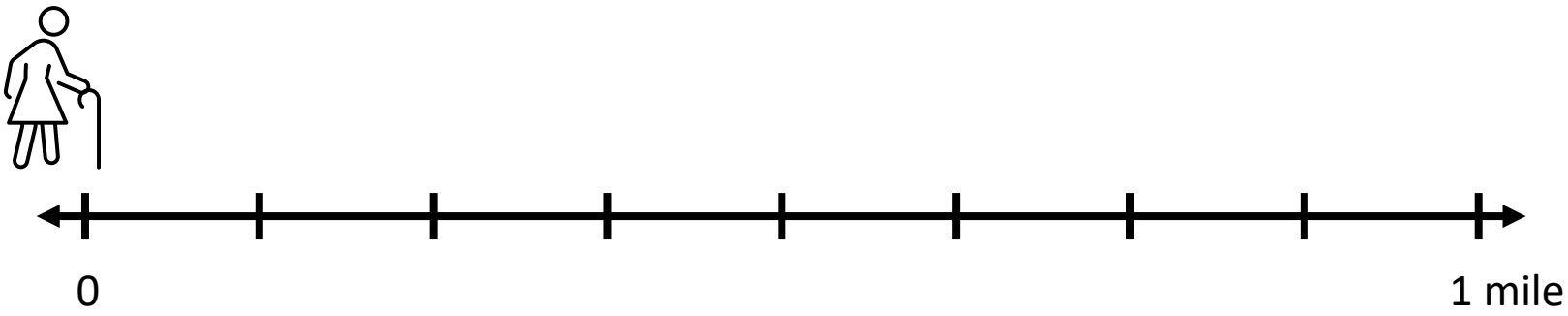
C.



D.

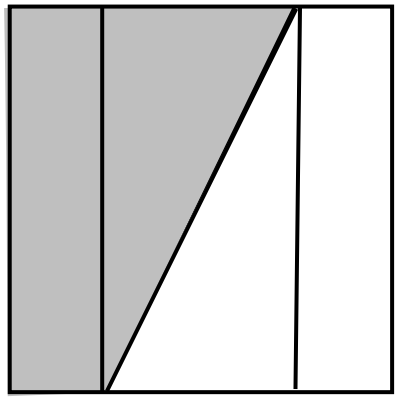


11. Grandma wants to walk $\frac{1}{2}$ a mile to get in her steps for the day. Mark an *X* on the number line to show $\frac{1}{2}$ of a mile.

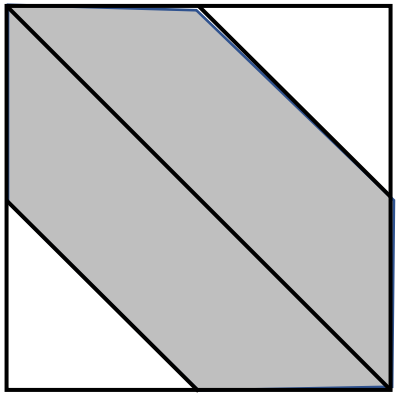


12. Assume the shapes are congruent. Circle the two shapes that have the same fraction of area shaded.

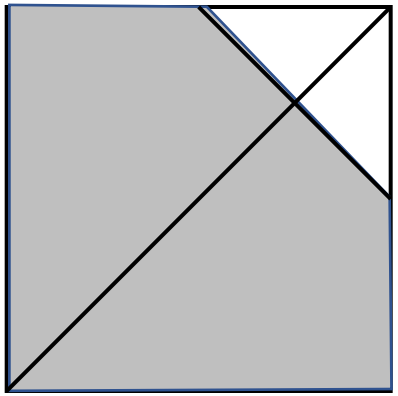
A.



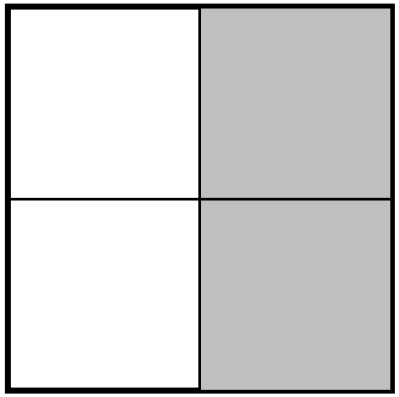
B.



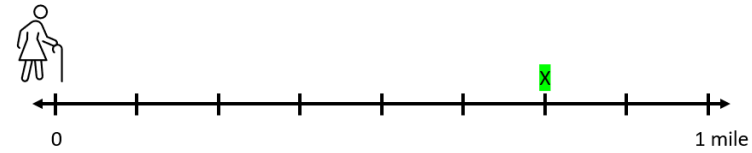
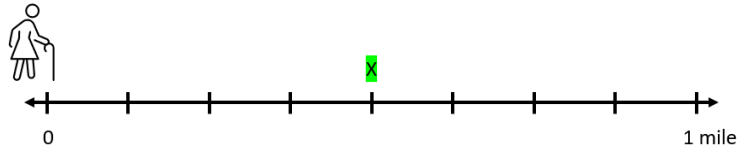
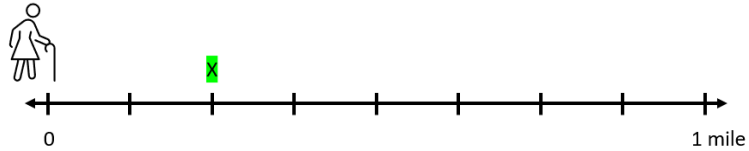
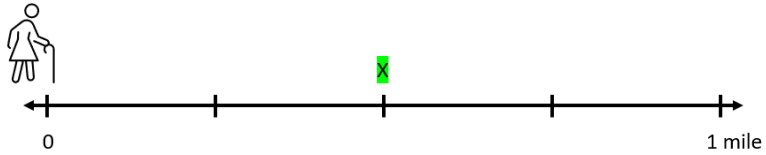
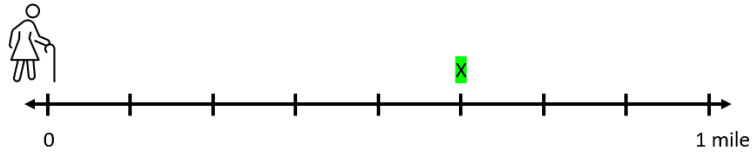
C.



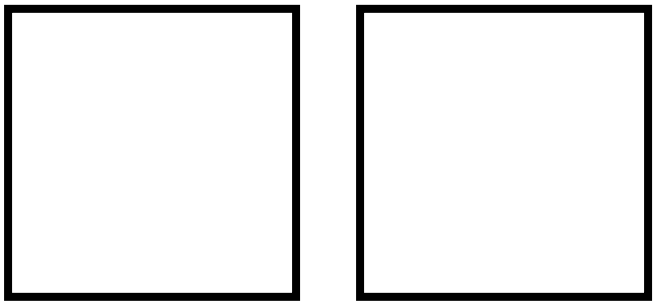
D.



Unit: 3rd Fractions
Lesson: 3.6.E and 3.7.A – Different Shaped Fractions
Problem Set: 3

1. C	**2.** B	**3.** C	**4.** A	**5.** 	**6.** A,D
7. C	**8.** D	**9.** C	**10.** C	**11.** 	**12.** A,D
13. A	**14.** D	**15.** D	**16.** B	**17.** 	**18.** B,C
19. B	**20.** A	**21.** D	**22.** B	**23.** 	**24.** A,C
25. A	**26.** B	**27.** B	**28.** D	**29.** 	**30.** C,D

13. Brandon drew the two congruent squares shown.



- He divided one square into 2 congruent triangular parts
- He divided the other square into 2 congruent rectangular parts.

Which statement is true?

A. Each triangular part and each rectangular part represents $\frac{1}{2}$ the area of one square.

B. Each triangular part has an area that is greater than the area of each rectangular part.

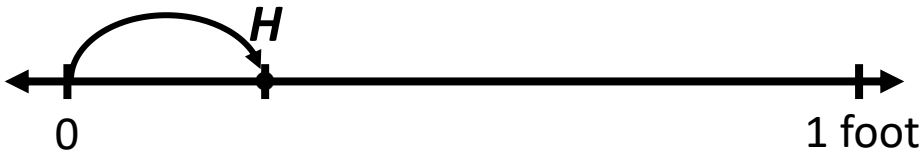
C. Each triangular part and each rectangular part represents $\frac{1}{4}$ the area of one square.

D. Each rectangular part has an area that is greater than the area of each triangular part.

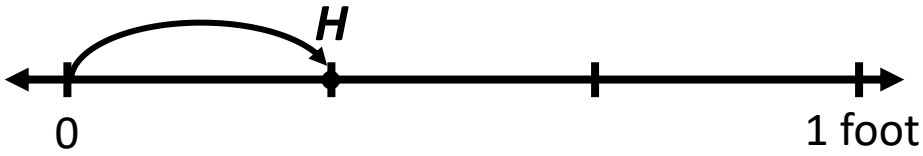
14. The line represents a distance of 1 foot.

On which one of these number lines does point H represent $\frac{1}{2}$ foot?

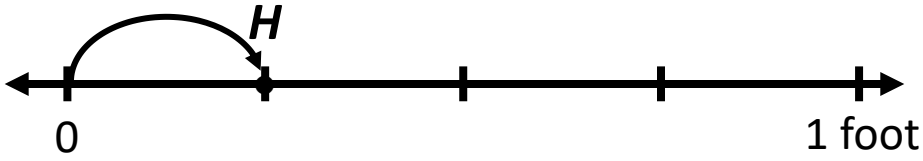
A.



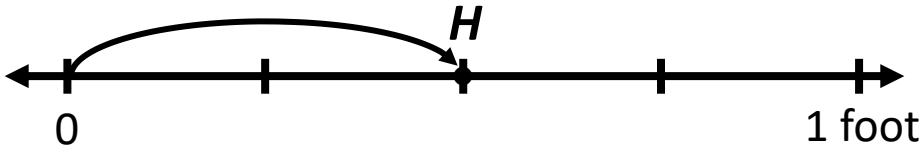
B.



C.

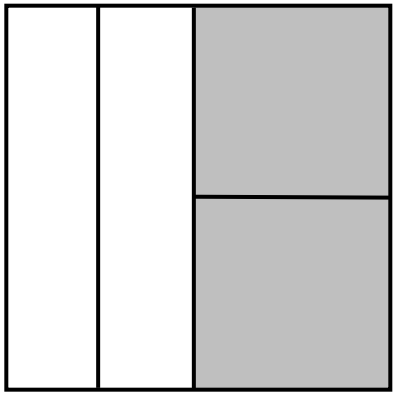


D.

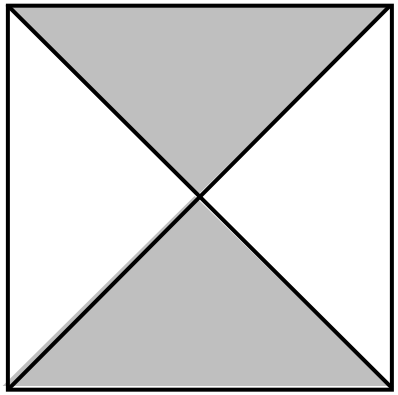


15. The shapes are congruent. Circle the shape that does NOT have the same fraction of area shaded as the other 3?

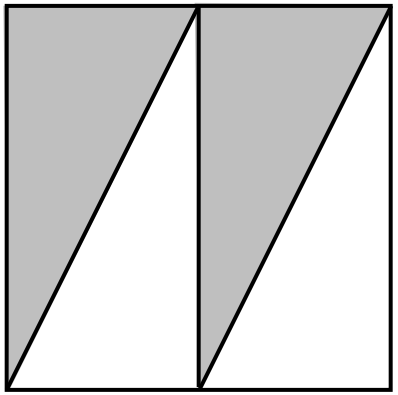
A.



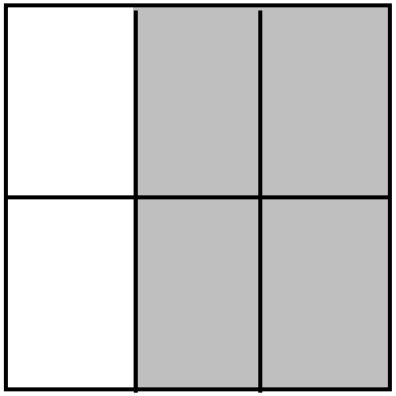
B.



C.

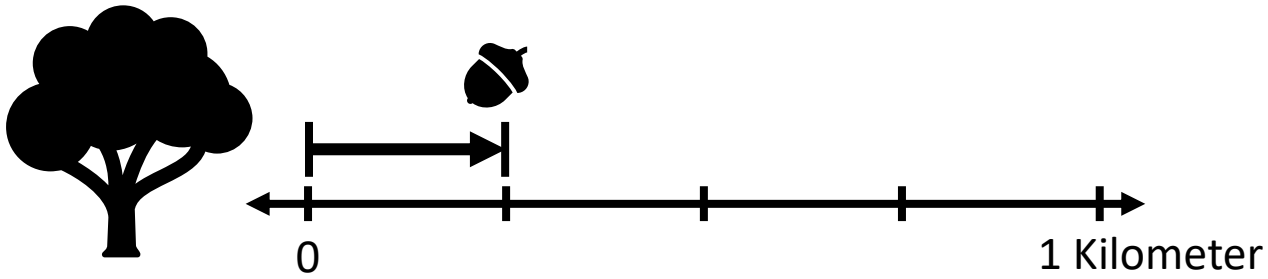


D.

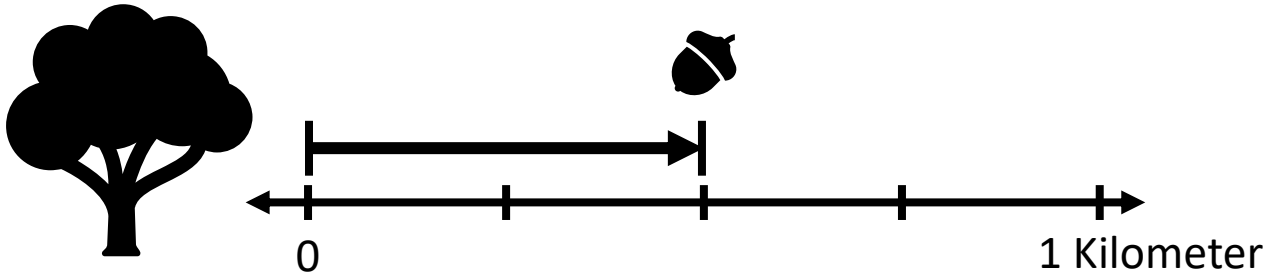


16. A Squirrel buried an acorn $\frac{1}{2}$ of a kilometer from the tree. Which number line shows the acorn to be $\frac{1}{2}$ of a kilometer from the tree.

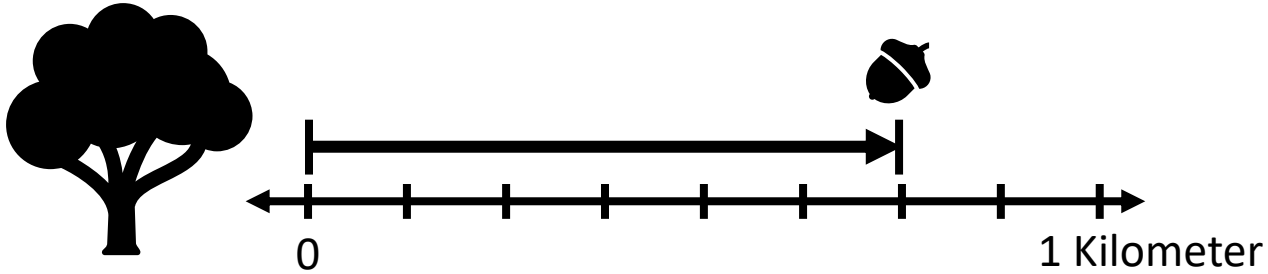
A.



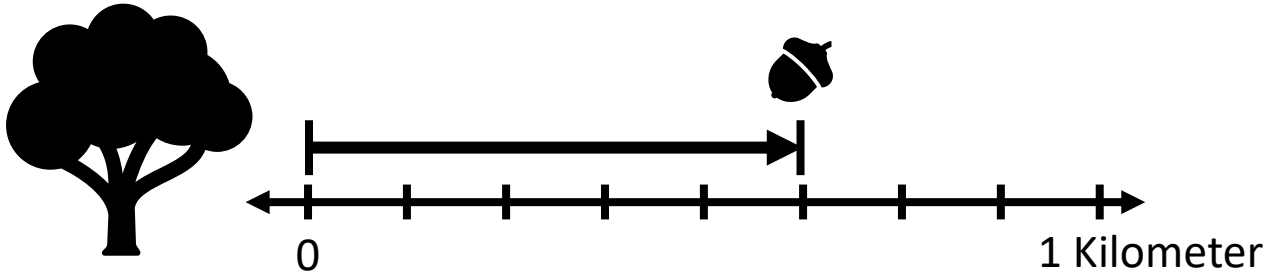
B.



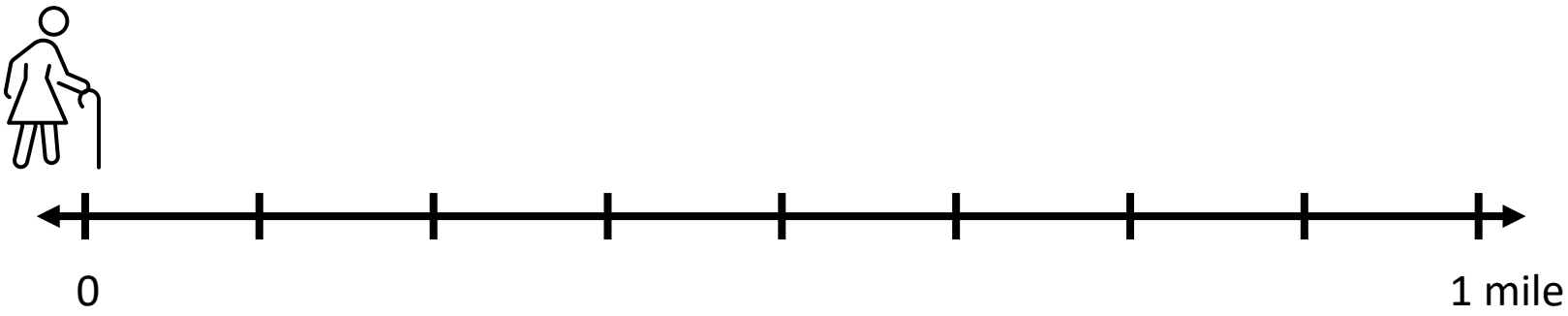
C.



D.

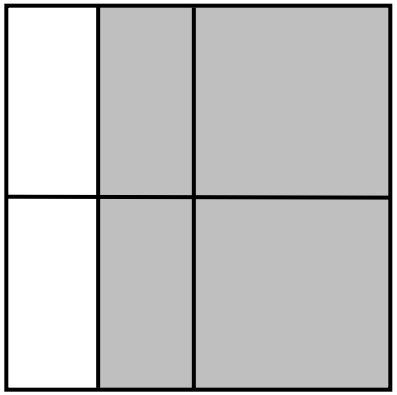


17. Grandma wants to walk $\frac{1}{4}$ of a mile to get in her steps for the day. Mark an *X* on the number Line to show $\frac{1}{4}$ of a mile.

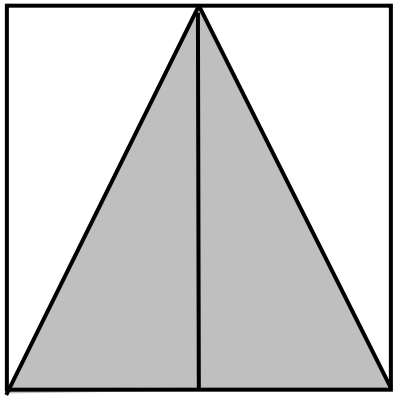


18. Assume the shapes are congruent. Circle the two shapes that have the same fraction of area shaded.

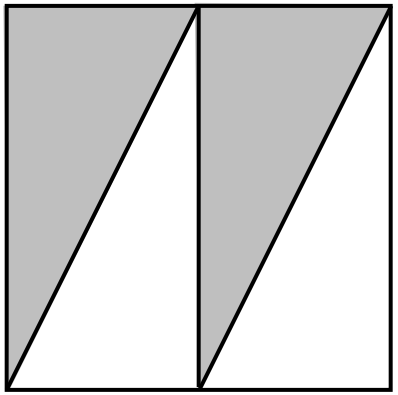
A.



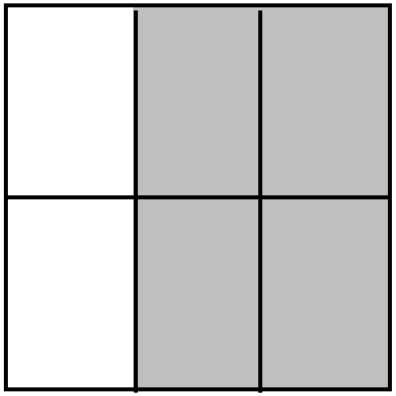
B.



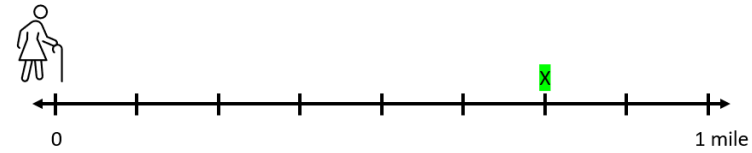
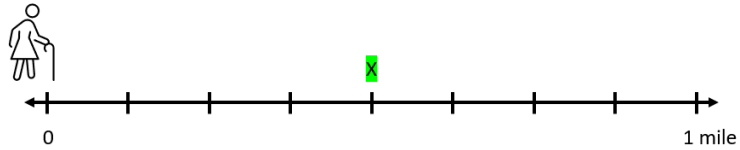
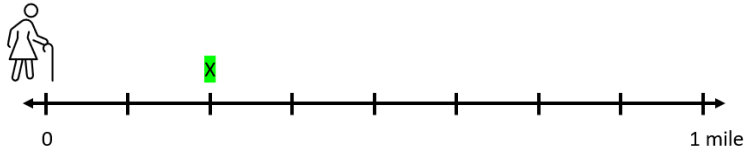
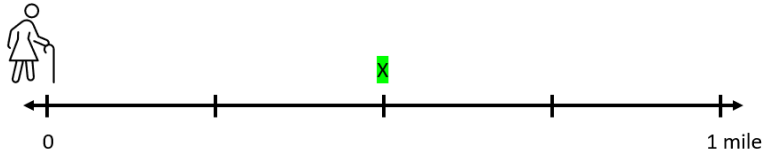
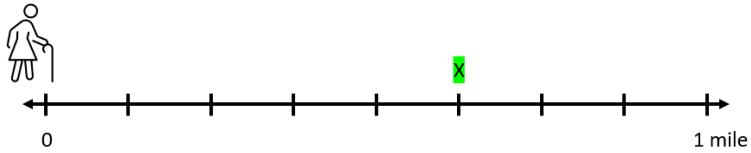
C.



D.



Unit: 3rd Fractions
Lesson: 3.6.E and 3.7.A – Different Shaped Fractions
Problem Set: 4

1. C	**2.** B	**3.** C	**4.** A	**5.** 	**6.** A,D
7. C	**8.** D	**9.** C	**10.** C	**11.** 	**12.** A,D
13. A	**14.** D	**15.** D	**16.** B	**17.** 	**18.** B,C
19. B	**20.** A	**21.** D	**22.** B	**23.** 	**24.** A,C
25. A	**26.** B	**27.** B	**28.** D	**29.** 	**30.** C,D

19. The two figures shown are congruent and one half of each figure is shaded.

Figure M

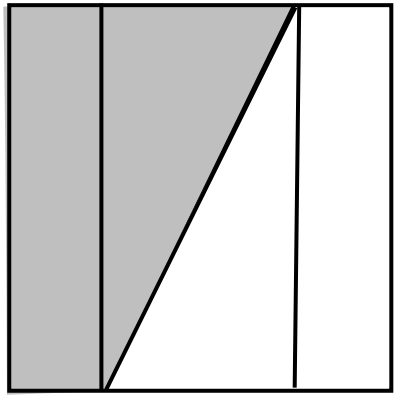
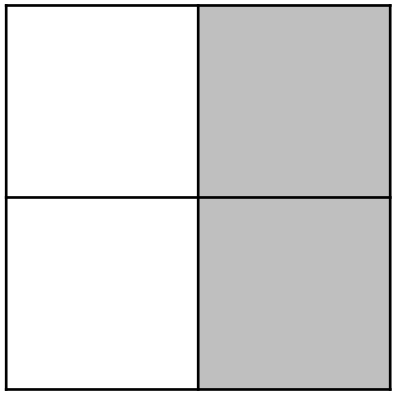


Figure N



Which statement is true?

A. The area of the shaded part of Figure M is greater than the area of the shaded part of Figure N.

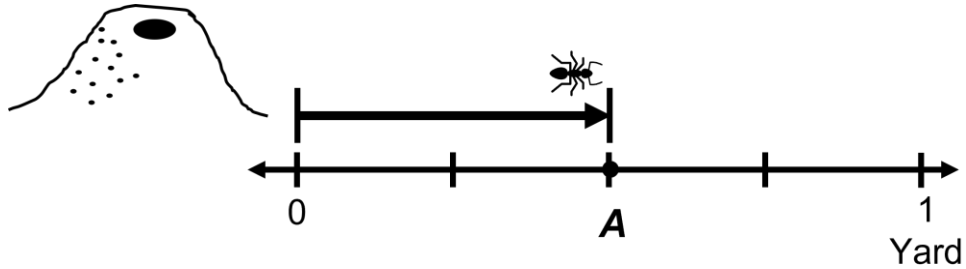
B. The area of the shaded part of Figure M is equal to the area of the shaded part of Figure N.

C. The area of the shaded part of Figure M is less than the area of the shaded part of Figure N.

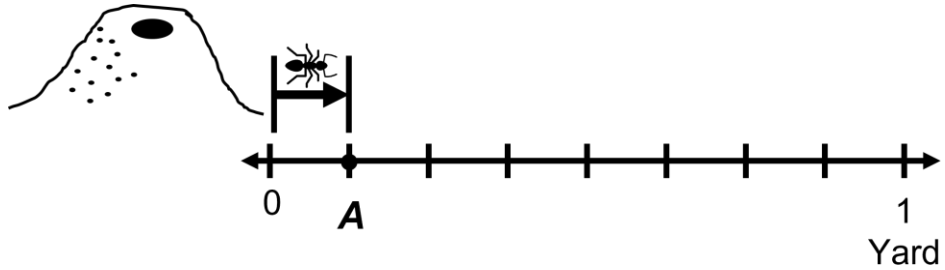
D. None of the above.

20. An ant crawled $\frac{1}{2}$ yard from an ant mound. On which number line does point *A* represent the ant's position after crawling $\frac{1}{2}$ yard?

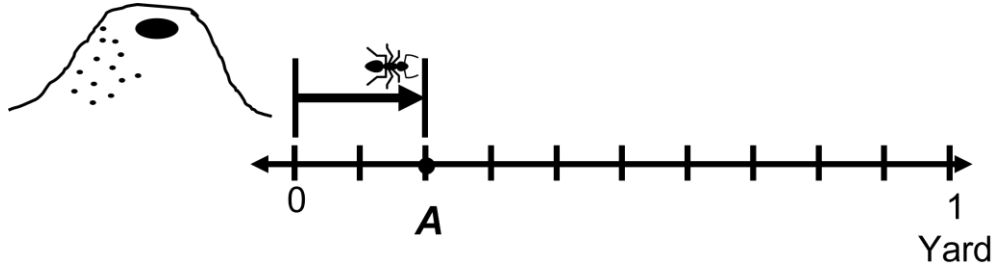
A.



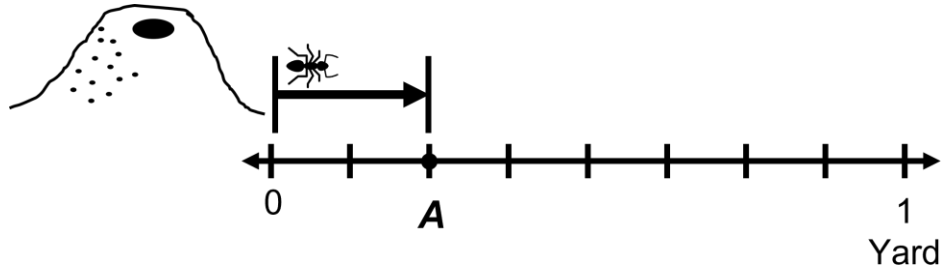
B.



C.

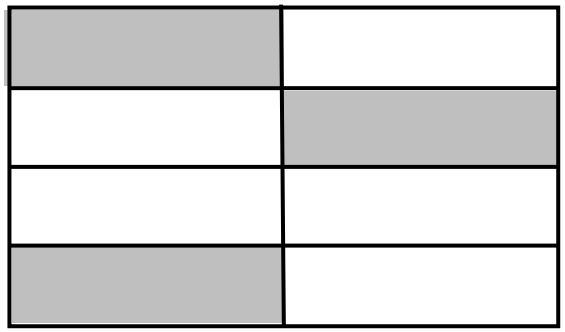


D.

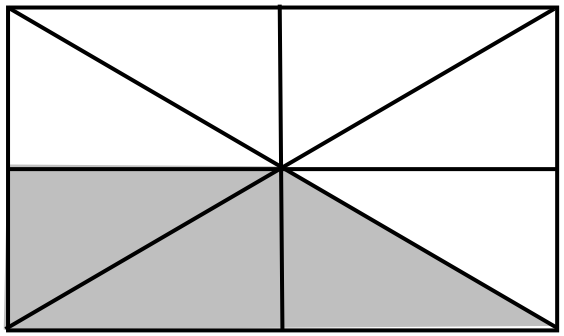


21. The shapes are congruent. Circle the shape that does NOT have the same fraction of area shaded as the other 3?

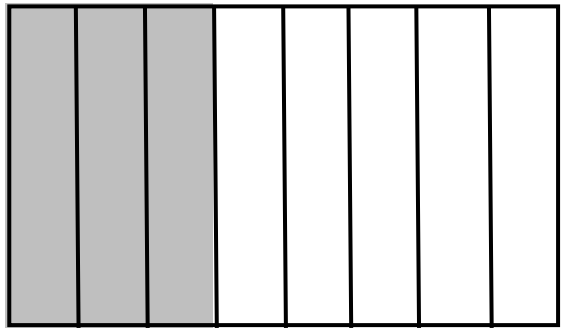
A.



B.



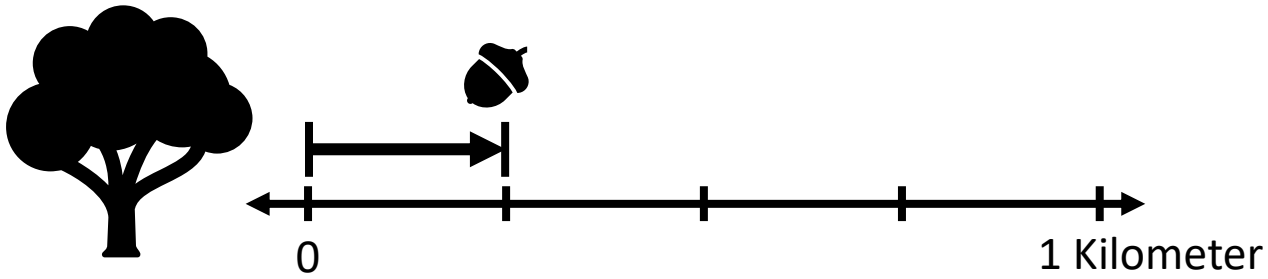
C.



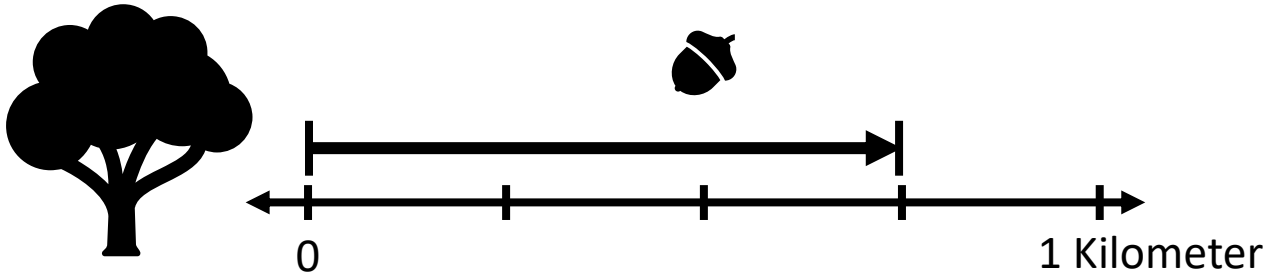
D.

22. A Squirrel buried an acorn $\frac{3}{4}$ of a kilometer from the tree. Which number line shows the acorn to be $\frac{3}{4}$ of a kilometer from the tree.

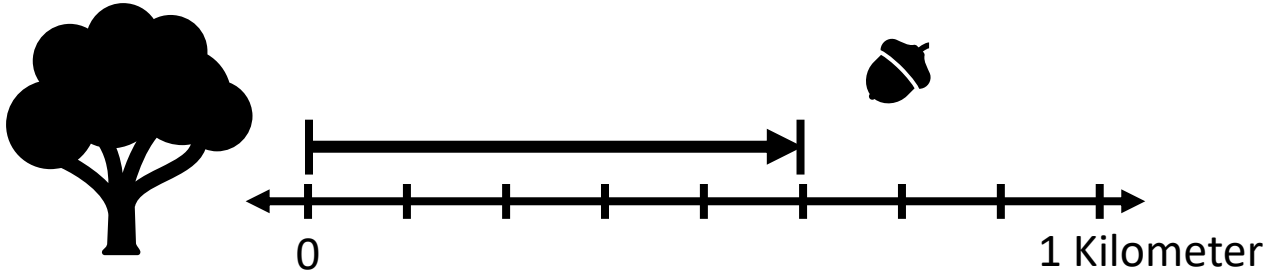
A.



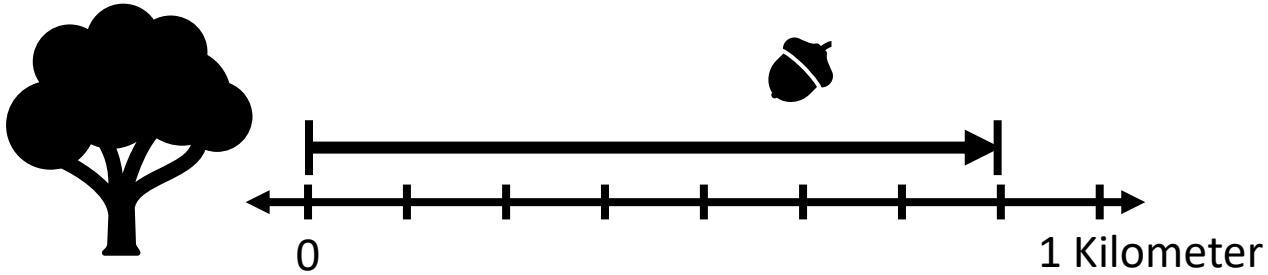
B.



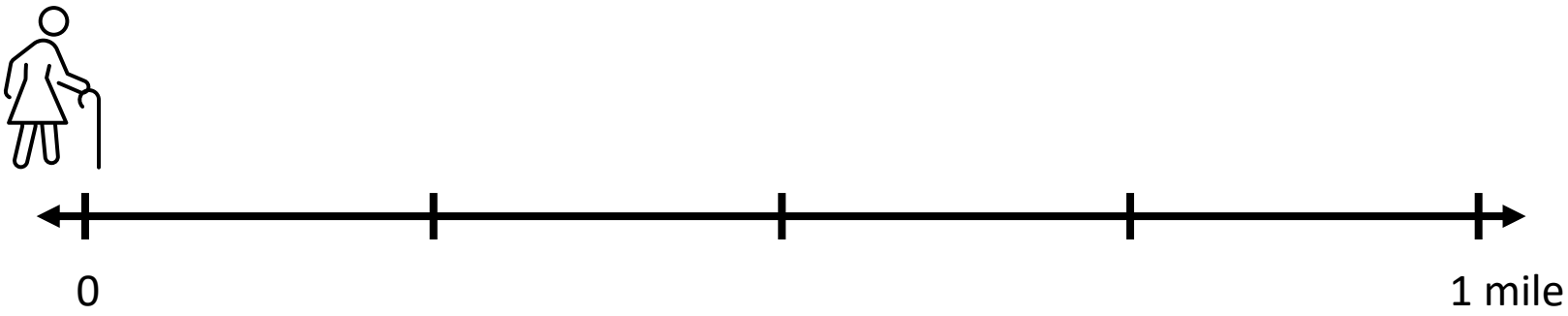
C.



D.

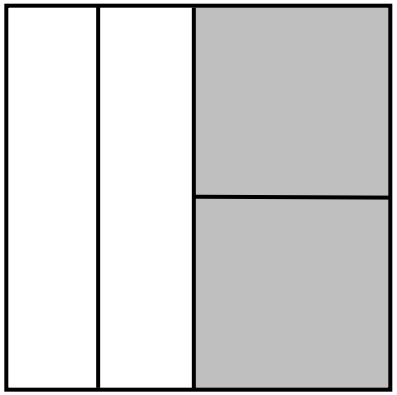


23. Grandma wants to walk $\frac{1}{2}$ of a mile to get in her steps for the day. Mark an *X* on the number Line to show $\frac{1}{2}$ of a mile.

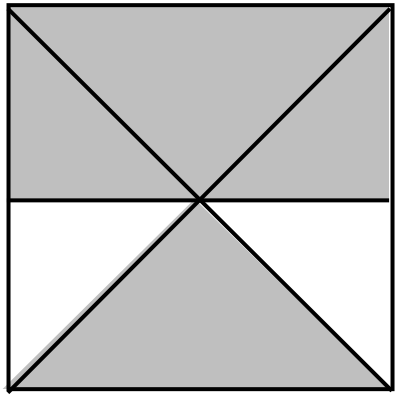


24. Assume the shapes are congruent. Circle the two shapes that have the same fraction of area shaded.

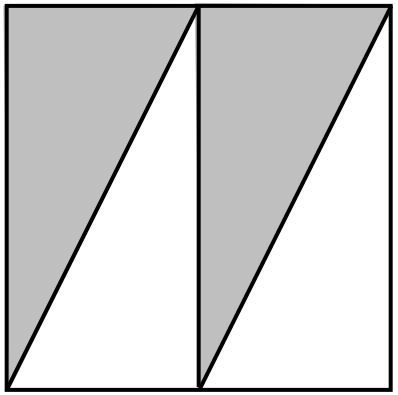
A.



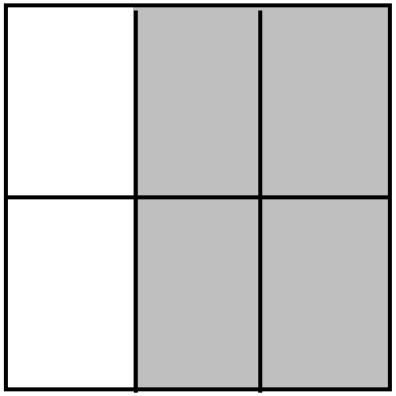
B.



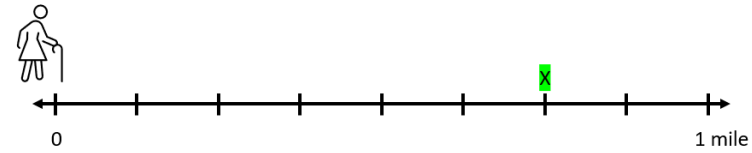
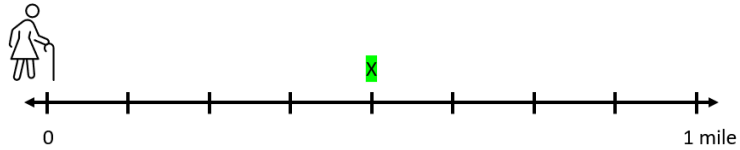
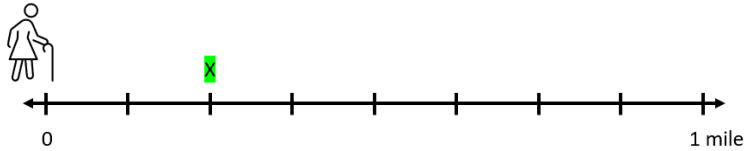
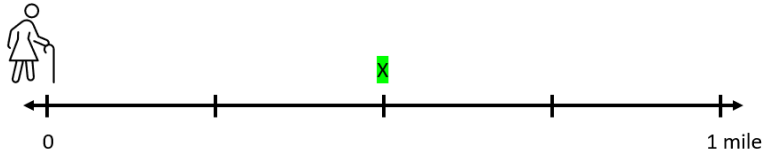
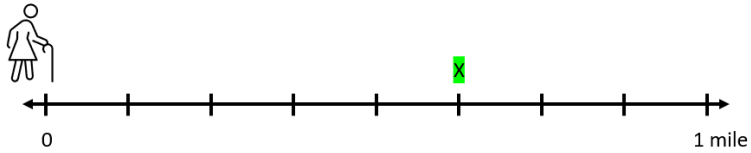
C.



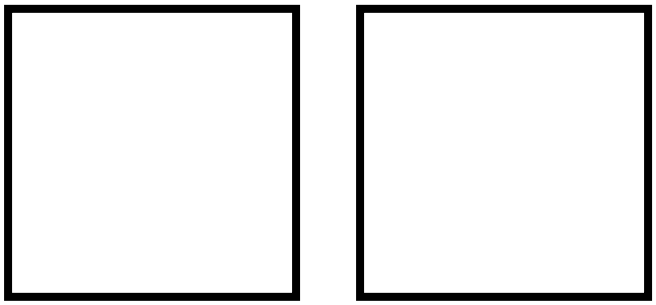
D.



Unit: 3rd Fractions
Lesson: 3.6.E and 3.7.A – Different Shaped Fractions
Problem Set: 5

1. C	**2.** B	**3.** C	**4.** A	**5.** 	**6.** A,D
7. C	**8.** D	**9.** C	**10.** C	**11.** 	**12.** A,D
13. A	**14.** D	**15.** D	**16.** B	**17.** 	**18.** B,C
19. B	**20.** A	**21.** D	**22.** B	**23.** 	**24.** A,C
25. A	**26.** B	**27.** B	**28.** D	**29.** 	**30.** C,D

25. Brandon drew the two congruent squares shown.



- He divided one square into 4 congruent triangular parts
- He divided the other square into 4 congruent square parts.

Which statement is true?

A. Each triangular part and each rectangular part represents $\frac{1}{4}$ the area of one square.

B. Each triangular part has an area that is greater than the area of each rectangular part.

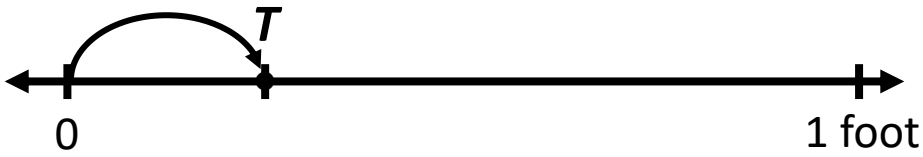
C. Each triangular part and each rectangular part represents $\frac{1}{2}$ the area of one square.

D. Each rectangular part has an area that is greater than the area of each triangular part.

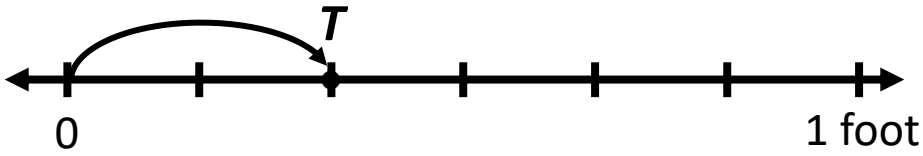
26. The line represents a distance of 1 foot.

On which one of these number lines does point H represent $\frac{1}{3}$ foot?

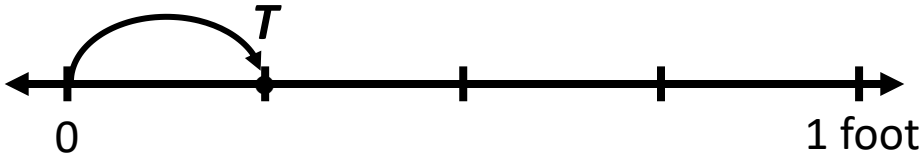
A.



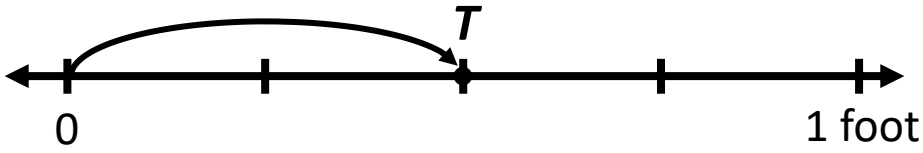
B.



C.



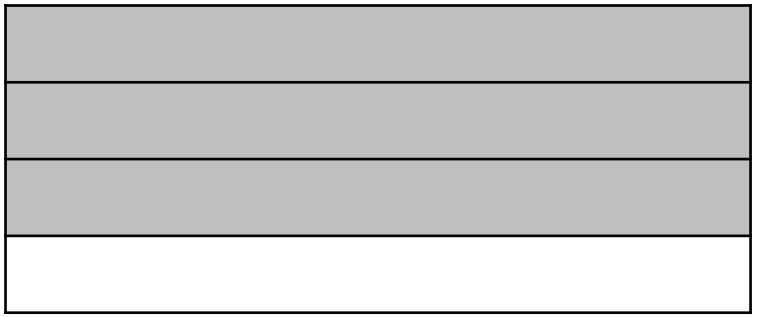
D.



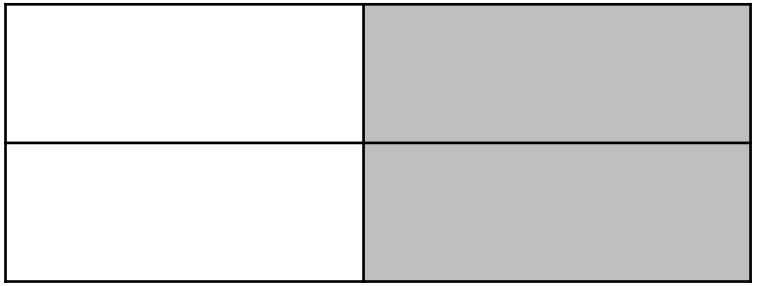
27. The shapes are congruent. Circle the shape that does NOT have the same fraction of area shaded as the other 3?

A.

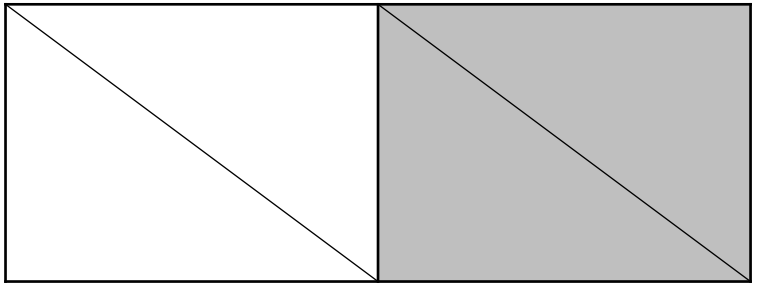
B.



C.

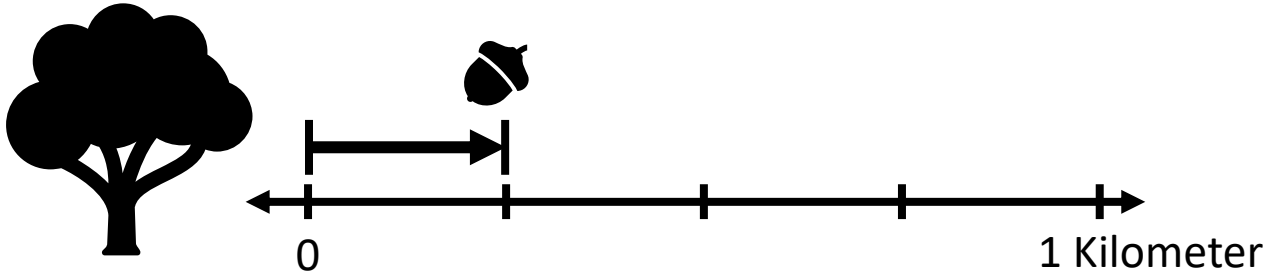


D.

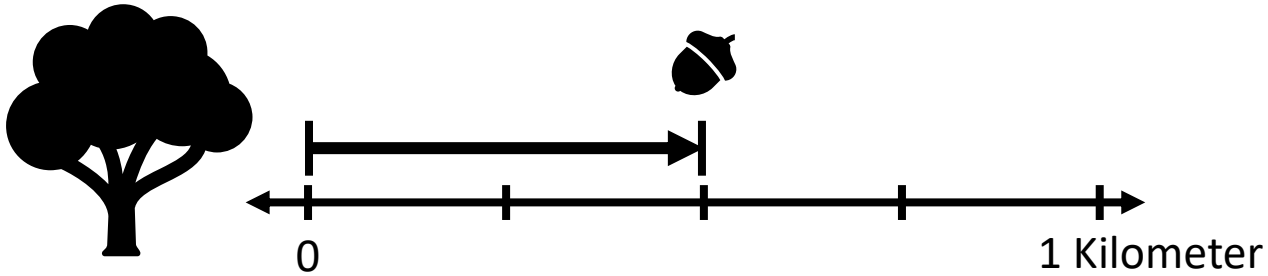


28. A Squirrel buried an acorn $\frac{7}{8}$ of a kilometer from the tree. Which number line shows the acorn to be $\frac{7}{8}$ of a kilometer from the tree.

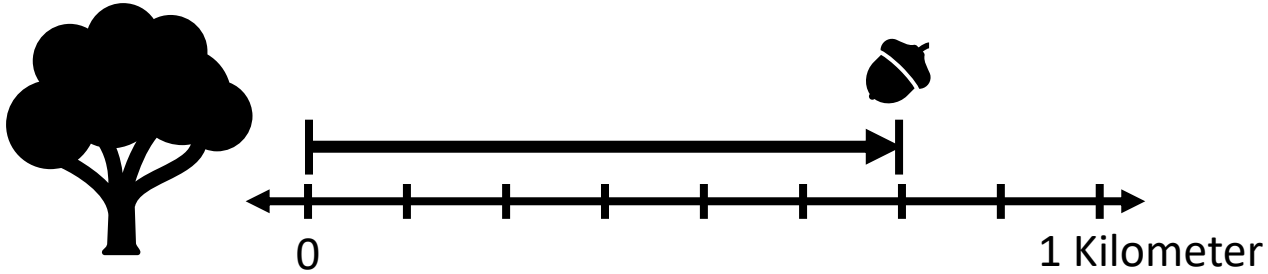
A.



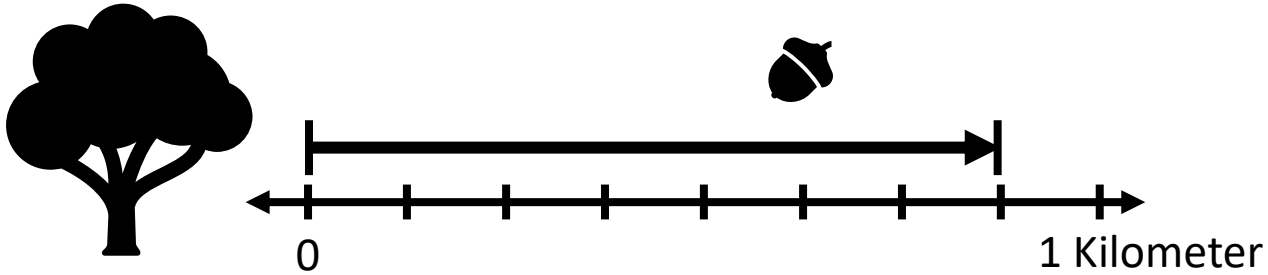
B.



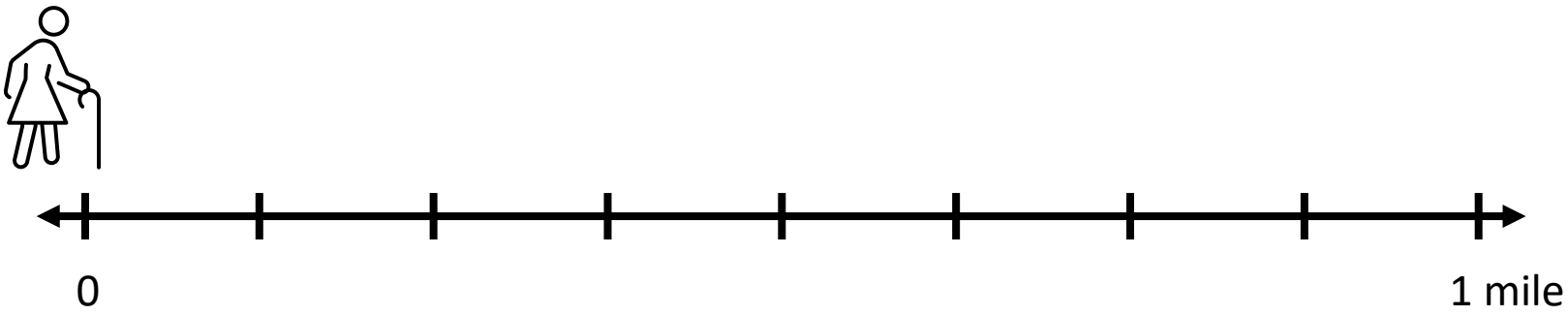
C.



D.

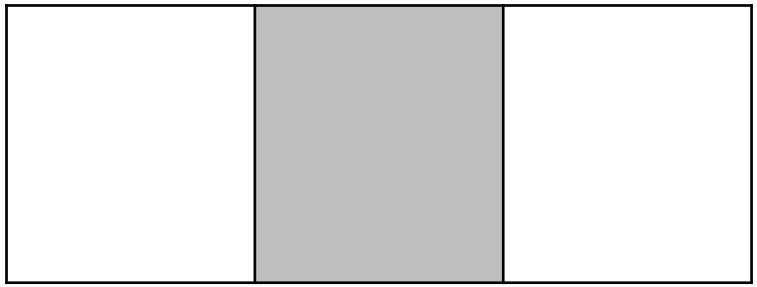


29. Grandma wants to walk $\frac{5}{8}$ of a mile to get in her steps for the day. Mark an *X* on the number Line to show $\frac{5}{8}$ of a mile.

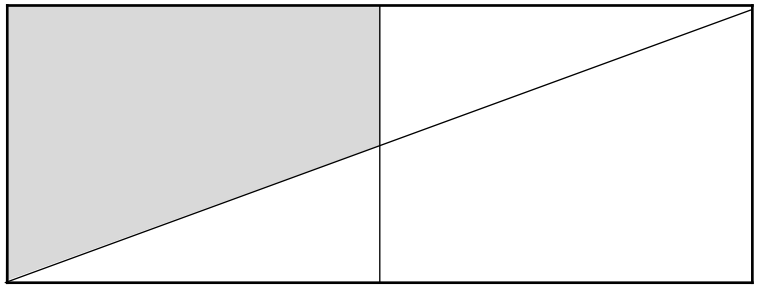


30. Assume the shapes are congruent. Circle the two shapes that have the same fraction of area shaded.

A.



B.



C.

D.