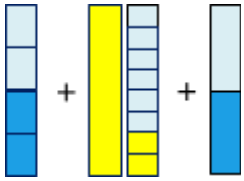
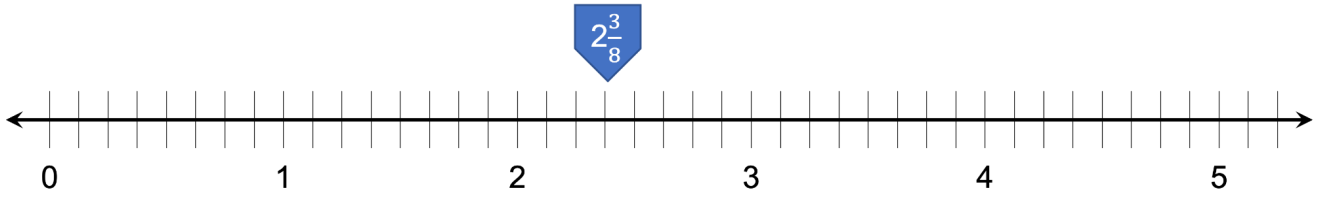
ST Math
Summer Immersion
Grade 5 | Pre-Assessment

Name: _____ Date: _____

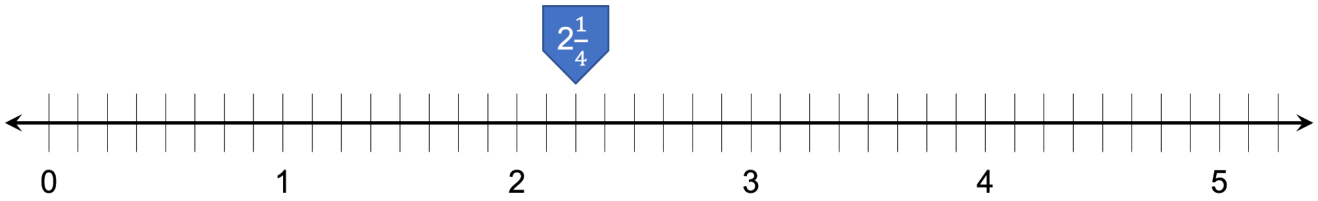
1. Which number line represents the solution to this problem?



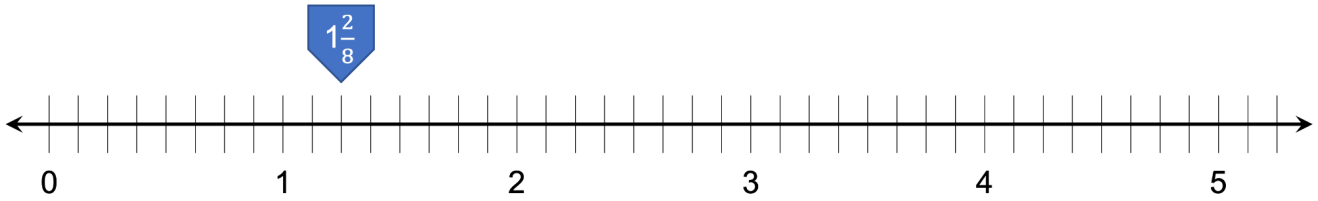
a.



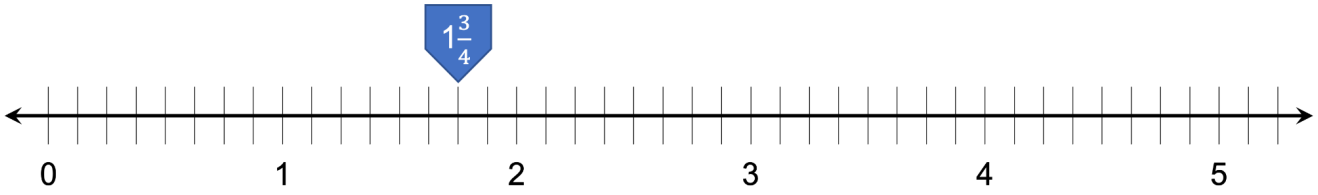
b.



c.



d.



2. Solve $\frac{1}{3} \times 4$.

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

b. $4\frac{1}{3}$

c. $\frac{12}{3}$

d. 12

3. Shawna, Ryan, and Dominic ate a whole pizza. Shawna ate $\frac{1}{3}$ of the pizza and Ryan ate $\frac{1}{2}$ of the pizza. Dominic ate the rest of the pizza. How much pizza did Dominic eat?

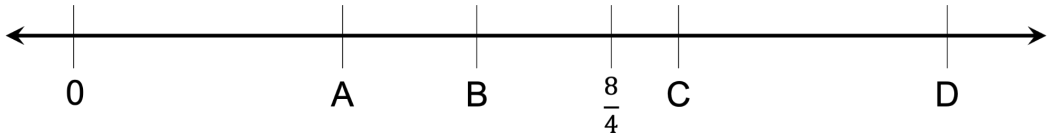
   a. $\frac{3}{6}$ of the pizza

   b. $\frac{2}{5}$ of the pizza

   c. $\frac{1}{3}$ of the pizza

   d. $\frac{1}{6}$ of the pizza

4. Use the plotted point to help you locate $\frac{1}{2} + 1\frac{3}{4}$. Which letter is located at the sum?



   a. A
   b. B
   c. C
   d. D

5. Solve $\frac{4}{3} + \frac{3}{4}$.

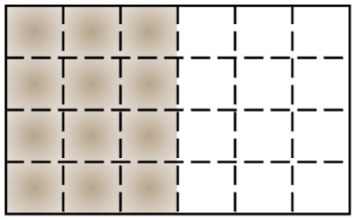
   a. 1

   b. $2\frac{1}{12}$

   c. $\frac{7}{12}$

   d. $\frac{9}{16}$

6. Jan had $\frac{1}{2}$ of a pan of brownies left. She took $\frac{1}{3}$ of what was left at her grandma's house. What fraction of the whole pan did she take to her grandma's house?



   a. $\frac{1}{6}$ of the pan

   b. $\frac{1}{5}$ of the pan

   c. $\frac{4}{6}$ of the pan

   d. $\frac{1}{3}$ of the pan

7. Omni likes to run along the beach. She drinks $\frac{3}{4}$ cup of water for every mile she runs. If her water bottle holds 6 cups of water, how many miles can she run before her bottle is empty?

   a. 4 miles
   b. 6 miles
   c. 8 miles
   d. 9 miles

8. Solve $\frac{3}{4} \times \frac{4}{6}$.

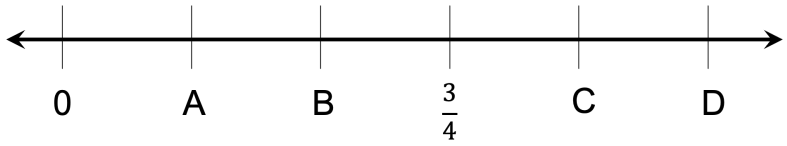
   a. $\frac{24}{12}$

   b. $\frac{16}{18}$

   c. $\frac{18}{16}$

   d. $\frac{12}{24}$

9. What letter is located at the product of $4 \times \frac{1}{8}$?



a. A
b. B
c. C
d. D

10. Keisha, Maria, and Katy want to share $\frac{1}{2}$ yard of string equally to make bracelets. How much string will each girl have for her bracelet?

a. $\frac{1}{6}$ yard of string
b. $\frac{1}{3}$ yard of string
c. $\frac{3}{2}$ yard of string
d. $\frac{2}{3}$ yard of string

11. Solve $\frac{2}{3} + \frac{1}{2}$.

a. $\frac{3}{5}$
b. $1\frac{1}{3}$
c. $1\frac{1}{6}$
d. $\frac{3}{6}$

12. Juan had 4 candy bars for his 3 friends to share after lunch. But then, three other friends joined them. If Juan wants each friend to get the same amount, what part of a candy bar will each friend get?

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

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

    c. $\frac{1}{6}$

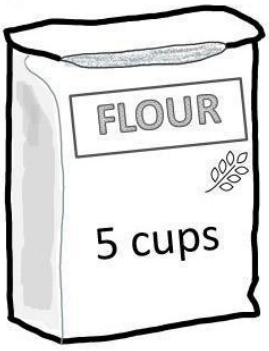
    d. $\frac{2}{3}$

13. Ibrahim wants to bake cakes to donate to charity. If the recipe calls for $1\frac{3}{4}$ cups of flour for each cake, what is the smallest bag of flour he could buy to make three cakes?

a.

b.

c.



d.

14. If this shape represents $\frac{2}{3}$, which shape would closely represent $1\frac{1}{2}$?

a. 

b. 

c. 

d. 

15. Solve $\frac{5}{6} \times 6$.

a. 5

b. 6

c. 30

d. 36