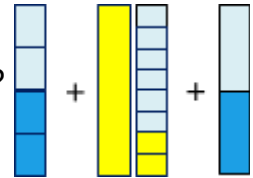


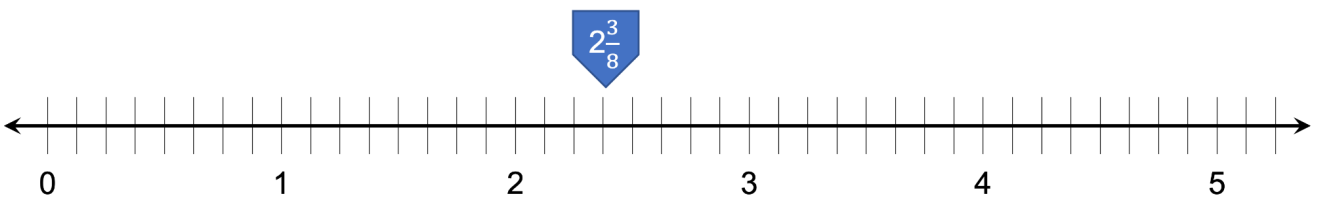
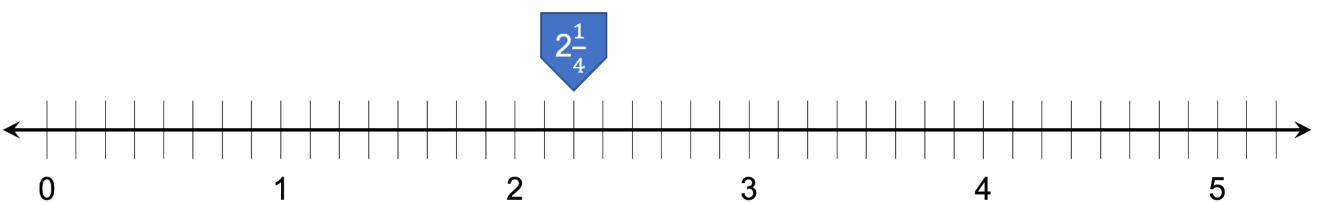
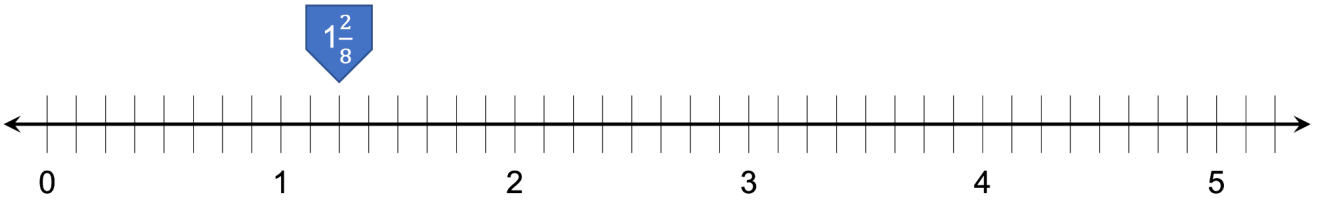
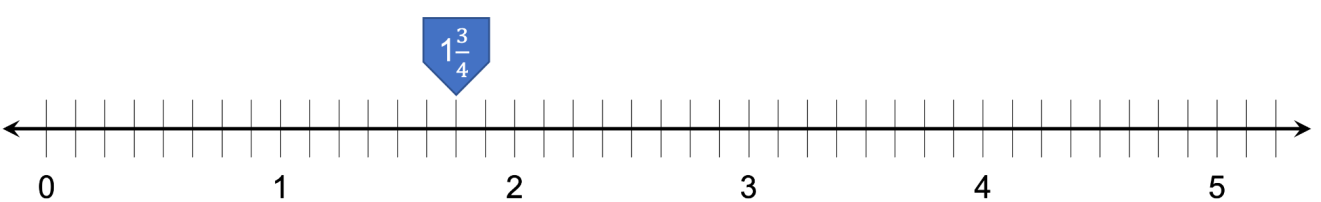


ST Math.
Summer Immersion
Grade 5 | Pre-Assessment

Name: _____ Date: _____

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



- a. 
- b. 
- c. 
- d. 

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

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

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

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

d. 12

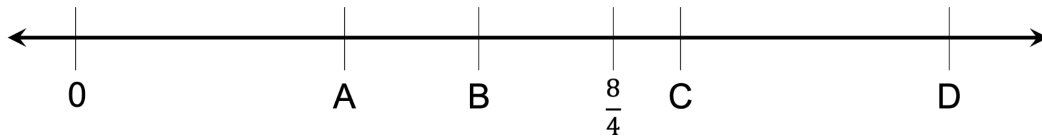


ST Math.
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3. Shawna, Ryan, and Dominic ate a whole pizza. Shawna ate $\frac{1}{3}$ of the pizza and Ryan ate $\frac{1}{2}$ of the pizza. Dominic ate the rest of the pizza. How much pizza did Dominic eat?

- 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

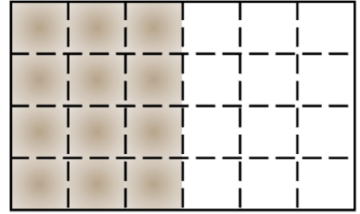
5. Solve $\frac{4}{3} + \frac{3}{4}$.

- a. 1
- b. $2\frac{1}{12}$
- c. $\frac{7}{12}$
- d. $\frac{9}{16}$



ST Math.
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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

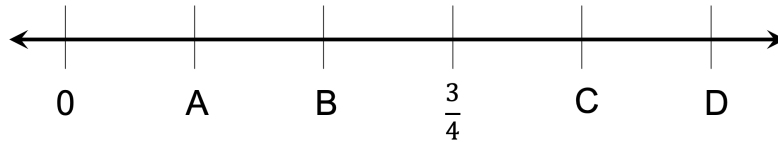
8. Solve $\frac{3}{4} \times \frac{4}{6}$.

- a. $\frac{24}{12}$
- b. $\frac{16}{18}$
- c. $\frac{18}{16}$
- d. $\frac{12}{24}$



ST Math.
Summer Immersion
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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. $\frac{3}{6}$



ST Math.
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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.





ST Math.
Summer Immersion
Grade 5 | Pre-Assessment

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

c. 30

b. 6

d. 36

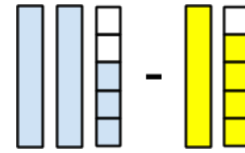
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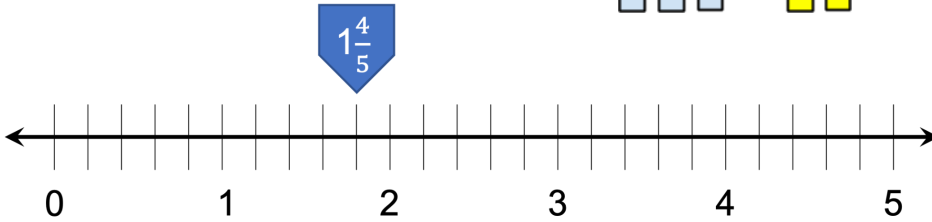
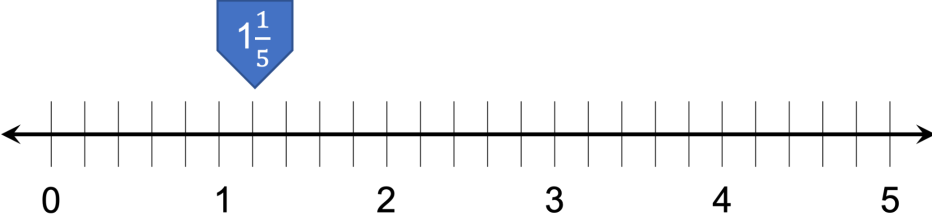
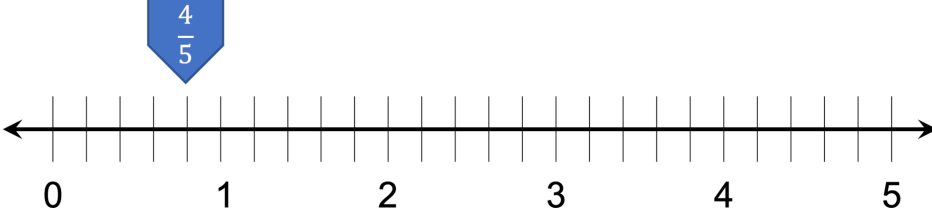
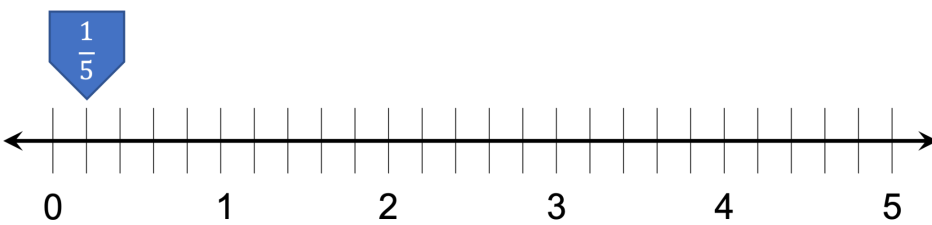


ST Math.
Summer Immersion
Grade 5 | Post-Assessment

Name: _____ Date: _____

1. Which number line represents this problem?



- a. 
- b. 
- c. 
- d. 

2. Solve $8 \times \frac{1}{4}$.

- a. 2 c. $\frac{8}{32}$
- b. $\frac{4}{8}$ d. $\frac{1}{32}$



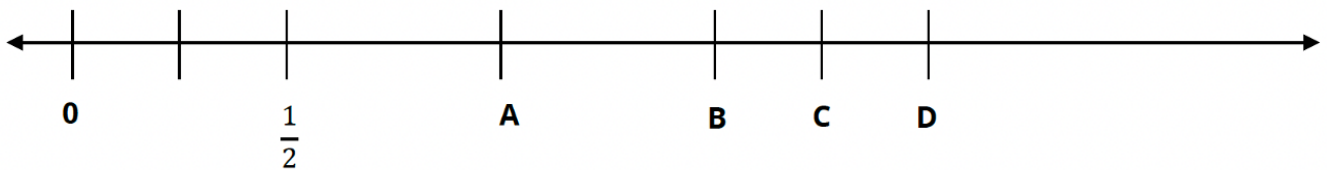
ST Math.
Summer Immersion

Grade 5 | Post-Assessment

3. Declan, Shawna, and Dominic ate a whole pizza. Declan ate $\frac{1}{8}$ of the pizza and Shawna ate $\frac{2}{4}$ of the pizza. Dominic ate the rest of the pizza. How much pizza did Dominic eat?

- a. $\frac{3}{8}$ of the pizza
- b. $\frac{1}{2}$ of the pizza
- c. $\frac{1}{4}$ of the pizza
- d. $\frac{1}{8}$ of the pizza

4. Use the plotted point to help you locate $\frac{1}{2} + (5 \times \frac{1}{4})$. Which letter is located at the sum?



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

5. Solve $\frac{5}{4} + \frac{2}{3}$

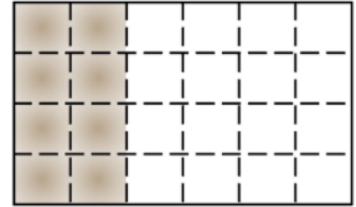
- a. 1
- b. $1\frac{11}{12}$
- c. $\frac{10}{12}$
- d. $\frac{7}{12}$



ST Math.
Summer Immersion

Grade 5 | Post-Assessment

6. Jan had $\frac{1}{3}$ of a pan of brownies left. She brought $\frac{1}{4}$ of what was left at her grandma's house. What fraction of the whole pan did she bring to her grandma's house?

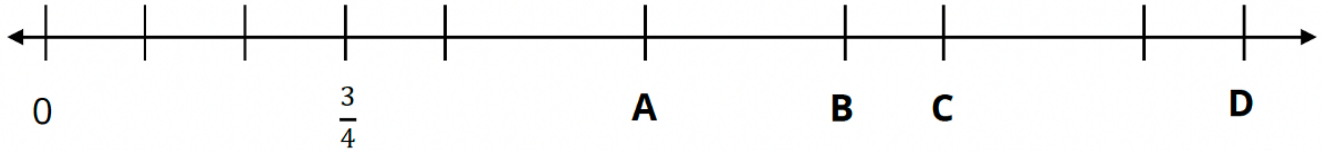


- a. $\frac{1}{6}$ of the pan
- b. $\frac{1}{12}$ of the pan
- c. $\frac{2}{8}$ of the pan
- d. $\frac{1}{3}$ of the pan
7. Omni likes to run along the beach. She drinks $\frac{2}{3}$ cup of water for every mile she runs. If her water bottle holds 6 cups of water, how many miles can she run before her bottle is empty?
- a. 6 miles
- b. 9 miles
- c. 12 miles
- d. 18 miles
8. Solve $\frac{2}{3} \times \frac{3}{4}$.
- a. $\frac{6}{4}$
- b. $\frac{8}{9}$
- c. $\frac{1}{4}$
- d. $\frac{1}{2}$



ST Math.
Summer Immersion
Grade 5 | Post-Assessment

9. What letter is located at the product of $3 \times \frac{3}{4}$?



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

10. Keisha, Maria, Sarah, and Katy want to share $2\frac{2}{3}$ feet of ribbon equally to make bracelets. How much ribbon will each girl have for her bracelet?

- a. $\frac{1}{3}$ feet of ribbon
- b. $\frac{2}{3}$ feet of ribbon
- c. $\frac{3}{3}$ feet of ribbon
- d. $\frac{4}{3}$ feet of ribbon

11. Solve $\frac{5}{4} + \frac{5}{6}$.

- a. 1
- b. $\frac{10}{12}$
- c. $2\frac{1}{12}$
- d. $1\frac{1}{4}$



ST Math. Summer Immersion

Grade 5 | Post-Assessment

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.





ST Math.
Summer Immersion

Grade 5 | Post-Assessment

14. If this shape represents $\frac{2}{3}$, which shape would be closer to $1\frac{1}{2}$?



a.



b.



c.



d.



15. Solve $8 \times \frac{6}{8}$.

a. 6

c. 48

b. 8

d. 64