



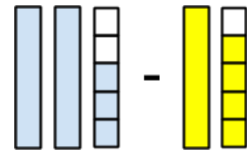
ST Math.  
**Summer Immersion**  
Grade 4 | Pre-Assessment

Name: \_\_\_\_\_ Date: \_\_\_\_\_

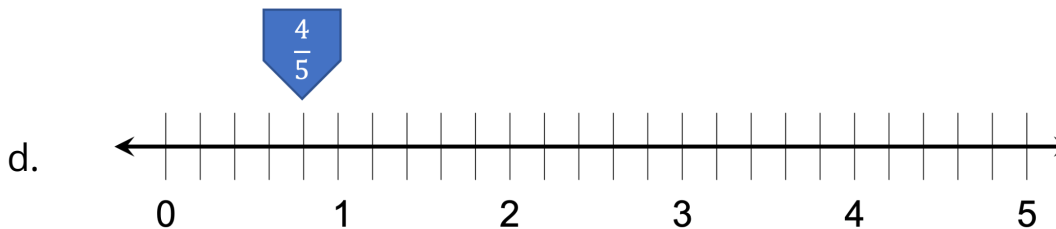
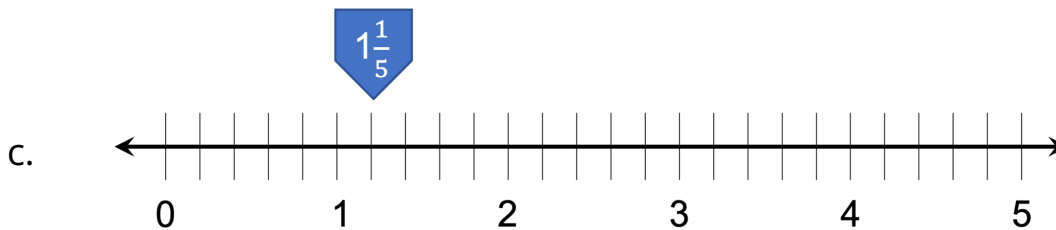
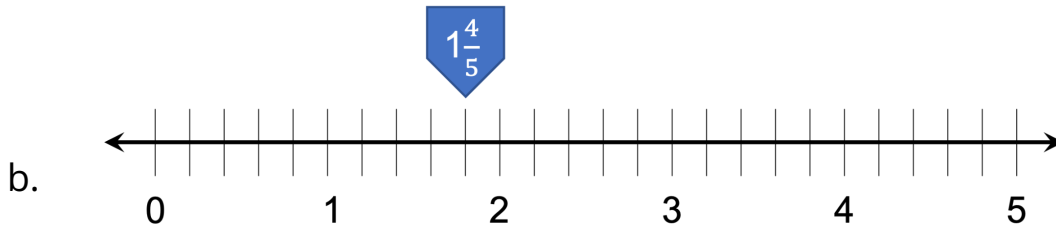
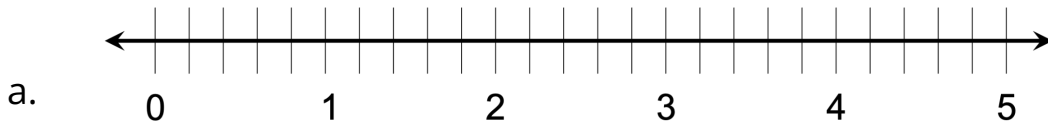
1. Select the symbol  $<$ ,  $>$ ,  $=$  to make each statement true:  $\frac{8}{8}$    $\frac{12}{12}$

- a.  $<$
- b.  $=$
- c.  $>$

2. Which number line represents this problem?



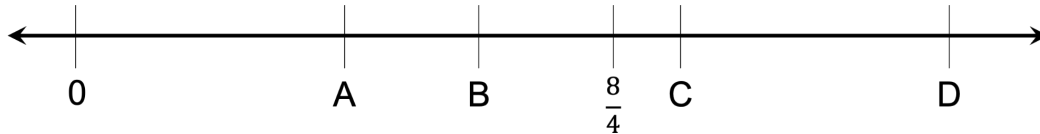
$4\frac{2}{5}$





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Grade 4 | Pre-Assessment

3. 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
4. Solve  $\frac{3}{4} + \frac{3}{6}$

- a.  $1\frac{1}{2}$
- b.  $1\frac{1}{4}$
- c.  $1\frac{6}{10}$
- d.  $\frac{6}{10}$



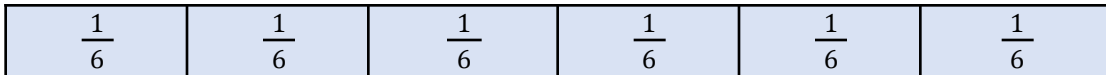
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**Summer Immersion**  
Grade 4 | Pre-Assessment

5. Shawna, Ryan and Dominic ate a whole pizza. Shawna ate  $\frac{1}{6}$  of the pizza, Ryan ate  $\frac{1}{2}$  of the pizza and Dominic ate the rest. How much pizza did Dominic eat?
- a.  $\frac{1}{2}$  of the pizza
  - b.  $\frac{1}{3}$  of the pizza
  - c.  $\frac{1}{5}$  of the pizza
  - d.  $\frac{3}{6}$  of the pizza
6. Mio made treat bags for a party. Each bag had  $\frac{5}{8}$  pound of candy. If she made 6 bags, how much candy did she use?
- a.  $3\frac{6}{8}$  pounds
  - b. 6 pounds
  - c.  $6\frac{5}{8}$  pounds
  - d. 30 pounds
7. Which expression shows how  $\frac{7}{8}$  can be decomposed?
- a.  $\frac{3}{4} + \frac{3}{4}$
  - b.  $\frac{3}{8} + \frac{4}{8}$
  - c.  $\frac{1}{2} + \frac{2}{8}$
  - d.  $\frac{6}{8} + \frac{1}{8} + \frac{1}{8}$



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Grade 4 | Pre-Assessment

8. Which fraction is equivalent to both  $\frac{2}{4}$  and  $\frac{3}{6}$ ?



- a.  $\frac{3}{4}$
- b.  $\frac{6}{12}$
- c.  $\frac{5}{6}$
- d.  $\frac{3}{8}$

9. Select the symbol  $<$ ,  $>$ ,  $=$  to make each statement true:  $\frac{62}{100}$    $\frac{7}{10}$

- a.  $<$
- b.  $=$
- c.  $>$

10. If this shape represents  $\frac{2}{3}$ , which of these shape is close to  $1\frac{1}{3}$ ?

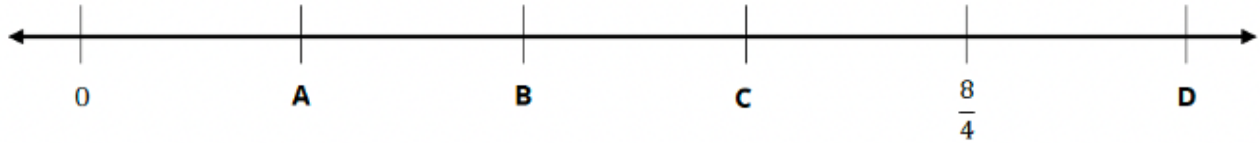


- a.
- b.
- c.
- d.



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Grade 4 | Pre-Assessment

11. Use this number line to locate  $\frac{20}{100} + \frac{3}{10}$ . Which letter locates the sum?



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

12. Omni likes to run along the beach. She drinks  $\frac{1}{3}$  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 water bottle is empty?

- a. 3 miles
- b. 6 miles
- c. 18 miles
- d. 24 miles

13. Which statement is true?

- a.  $\frac{1}{4}$  is closer to  $\frac{1}{2}$  than  $\frac{2}{4}$
- b.  $\frac{1}{6}$  is closer to  $\frac{1}{2}$  than  $\frac{4}{6}$
- c.  $\frac{1}{3}$  is closer to  $\frac{1}{2}$  than  $\frac{1}{4}$



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**Summer Immersion**  
Grade 4 | Pre-Assessment

14. Ibrahim wants to give each of his five friends  $2\frac{1}{3}$  candy bars. How many candy bars does he need to buy?

- a.  $\frac{1}{3}$  candy bars
- b. 10 candy bars
- c. 11 candy bars
- d. 12 candy bars

15. Select the symbol  $<$ ,  $>$ ,  $=$  to make each statement true:  $\frac{8}{6}$    $\frac{9}{3}$

- a.  $<$
- b.  $=$
- c.  $>$

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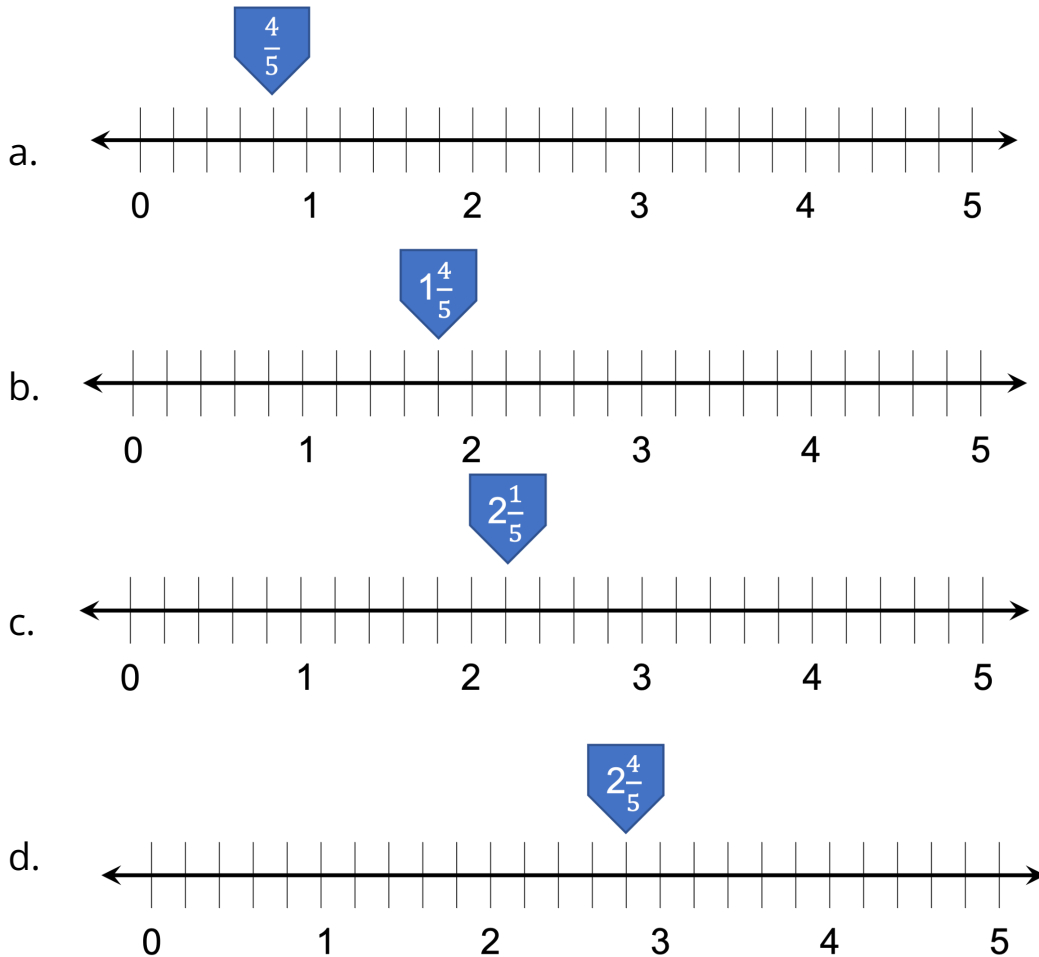
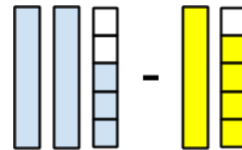
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Grade 4 | Post-Assessment

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Select the symbol  $<$ ,  $>$ ,  $=$  to make each statement true:  $\frac{9}{10}$    $\frac{90}{100}$

- a.  $<$
- b.  $=$
- c.  $>$

2. Which number line represents this problem?



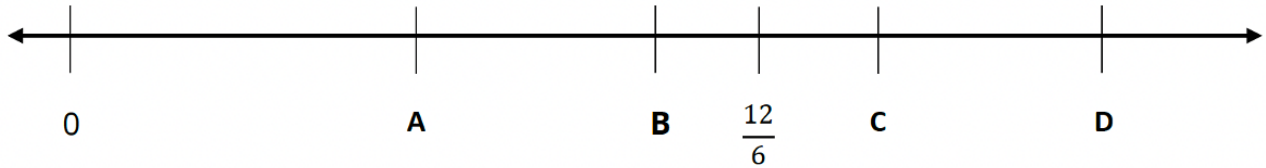




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Grade 4 | Post-Assessment

3. Use the plotted point to help you locate  $\frac{1}{2} + 1\frac{5}{6}$ . Which letter is located at the sum?



- a. A
  - b. B
  - c. C
  - d. D
4. Solve  $\frac{4}{8} + \frac{3}{4}$ .

- a.  $1\frac{1}{2}$
- b.  $1\frac{1}{4}$
- c.  $\frac{7}{8}$
- d.  $\frac{7}{12}$



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**Grade 4 | Post-Assessment**

5. Declan, Ryan and Dominic ate a whole pizza. Dominic ate  $\frac{1}{3}$  of the pizza, Ryan ate  $\frac{1}{2}$  of the pizza and Declan ate the rest. How much pizza did Declan eat?
- a.  $\frac{1}{2}$  of the pizza
  - b.  $\frac{1}{3}$  of the pizza
  - c.  $\frac{1}{5}$  of the pizza
  - d.  $\frac{1}{6}$  of the pizza
6. Mio made treat bags for a party. Each bag had  $\frac{3}{8}$  pound of candy. If she made 7 bags, how much candy did she use?
- a. 3 pounds
  - b. 7 pounds
  - c.  $7\frac{3}{8}$  pounds
  - d.  $2\frac{5}{8}$  pounds
7. Which expression shows how  $\frac{8}{6}$  can be decomposed?
- a.  $\frac{4}{3} + \frac{4}{3}$
  - b.  $\frac{4}{6} + \frac{4}{6}$
  - c.  $\frac{5}{4} + \frac{3}{2}$
  - d.  $\frac{4}{6} + \frac{3}{8}$



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Grade 4 | Post-Assessment

8. Which fraction is equivalent to both  $\frac{2}{4}$  and  $\frac{3}{6}$ ?



- a.  $\frac{3}{4}$
- b.  $\frac{6}{12}$
- c.  $\frac{5}{6}$
- d.  $\frac{3}{8}$

9. Select the symbol  $<$ ,  $>$ ,  $=$  to make each statement true:  $\frac{9}{8}$    $\frac{11}{10}$

- a.  $<$
- b.  $=$
- c.  $>$

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



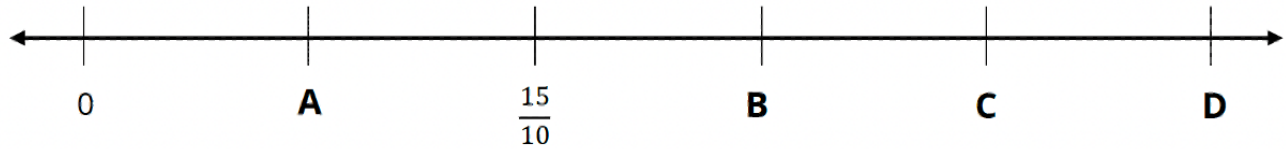
- a.
- b.
- c.
- d.



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**Summer Immersion**

**Grade 4 | Post-Assessment**

11. Use this number line to locate  $\frac{50}{100} + \frac{25}{10}$ . Which letter locates the sum?



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

12. Omni likes to run along the beach. She drinks  $\frac{3}{6}$  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 water bottle is empty?

- a. 3 miles
- b. 6 miles
- c. 12 miles
- d. 18 miles

13. Which statement is true?

- a.  $\frac{3}{8}$  is closer to  $\frac{1}{2}$  than  $\frac{4}{8}$
- b.  $\frac{1}{3}$  is closer to  $\frac{1}{2}$  than  $\frac{5}{6}$
- c.  $\frac{5}{8}$  is closer to  $\frac{1}{2}$  than  $\frac{6}{10}$



**ST Math.**  
**Summer Immersion**  
Grade 4 | Post-Assessment

14. Ibrahim wants to give each of his five friends  $\frac{1}{4}$  candy bars. How many candy bars does he need to buy?

- a. 1
- b. 2
- c. 3
- d. 5

15. Select the symbol  $<$ ,  $>$ ,  $=$  to make each statement true:  $\frac{43}{100}$    $\frac{5}{10}$

- a.  $<$
- b.  $=$
- c.  $>$