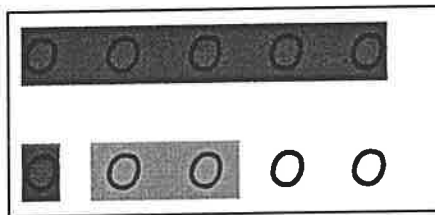


Name \_\_\_\_\_

### Practice for the Quarter 3 DCA

**4.1.2.3** Use fraction models to add and subtract fractions with like denominators in real-world and mathematical situations. Develop a rule for addition and subtraction of fractions with like denominators.

1. The picture below shows that  $\frac{8}{10}$  of the circles are highlighted.



Which equation can be used to represent the highlighted circles?




A.  $\frac{8}{10} = \frac{6}{10} + \frac{2}{10}$




B.  $\frac{8}{10} = \frac{5}{10} + \frac{4}{10}$

C.  $\frac{8}{10} = \frac{3}{5} + \frac{5}{5}$

D.  $\frac{8}{10} = \frac{4}{5} + \frac{4}{5}$

2. Two fraction addition models are shown below, what is the sum of the two fractions in each problem?

1 )  +  =   
 $\frac{1}{5} + \frac{2}{5} =$  \_\_\_\_\_

2 )  +  =   
 $\frac{2}{7} + \frac{4}{7} =$  \_\_\_\_\_

3. Mrs. Johnson wrote three equations to represent the fraction  $\frac{5}{6}$  as shown below.

$$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{5}{6}$$

$$\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

$$\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$$

4. Which other equation also represents the fraction  $\frac{5}{6}$ ?

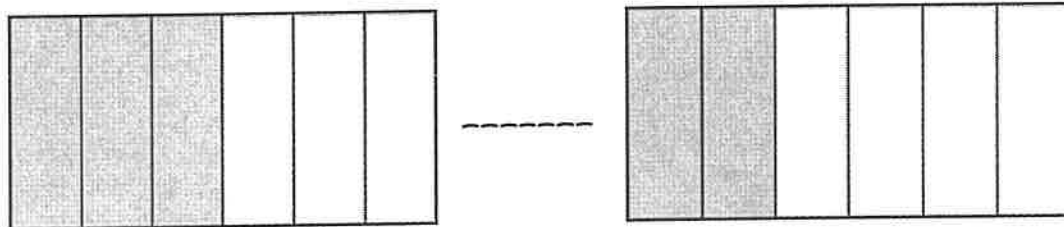
A.  $\frac{4}{4} + \frac{1}{2} = \frac{5}{6}$

B.  $\frac{4}{5} + \frac{1}{1} = \frac{5}{6}$

C.  $\frac{1}{2} + \frac{1}{2} + \frac{3}{2} = \frac{5}{6}$

D.  $\frac{2}{6} + \frac{2}{6} + \frac{1}{6} = \frac{5}{6}$

5. What is the difference between the fractions shown below?



A.  $\frac{4}{6}$

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

C.  $\frac{2}{6}$

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

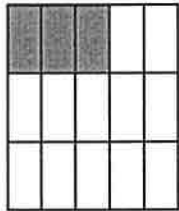
Name \_\_\_\_\_

## Practice for the Quarter 3 DCA

6. Joe and Matt each have a pan of brownies. The brownies they have eaten are shown in white.

How many more brownies did Matt eat than Joey?

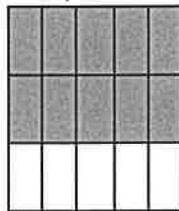
Matt's Brownies



Write your number

sentence \_\_\_\_\_

Joey's Brownies



- a.  $13/15$
- b.  $7/15$
- c.  $8/15$
- d.  $12/15$

**4.1.2.6** Read and write tenths and hundredths in decimal and fraction notations using words and symbols, know the fraction and decimal equivalents for halves and fourths.

7. Which decimal is equivalent to twenty five hundredths?

- A. 2.5
- B. .25
- C. .025
- D. 25.0

8. Write the following decimals:

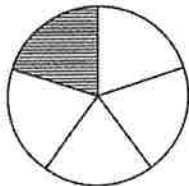
- Sixty two hundredths \_\_\_\_\_
- Four tenths \_\_\_\_\_
- Three and 1 hundredth \_\_\_\_\_

9. Tim has \$0.75 in his pocket. Which fractions are equivalent to 75 cents?

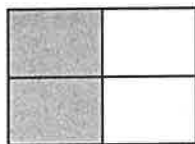
- A.  $75/100$
- B.  $1/2$
- C.  $75/1,000$
- D.  $3/4$
- E. Both A and D

10. Four fractions are displayed below. Which two models represent the fractions that are equivalent?

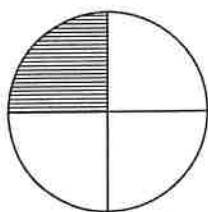
N.



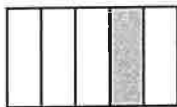
O.



P.



Q.



1. Models N and P
2. Models P and Q
3. Models Q and N
4. Models O and N

11. Four fractions are shown below. Which two fractions are equivalent?

A.



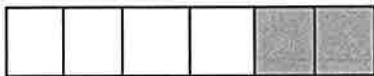
B.



C.



D.



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

12. What digit is in the thousandths place in the number below:

1,285.753

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

13. What number is equal to the shaded part of the figure?



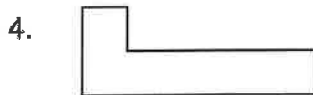
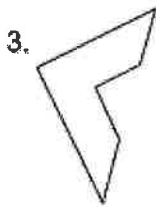
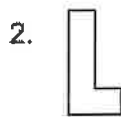
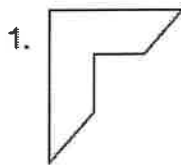
- a. 0.25
- b. 0.50
- c. 1.00
- d. 0.30

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

Practice for the Quarter 3 DCA

4.3.3.4 Recognize that translations, reflections and rotations preserve congruency and use them to show that two figures are congruent.

14. Mason needs to use two congruent figures in his art project.



Which two figures appear to be congruent?

- a. 2 and 4
- b. 1 and 3
- c. 1 and 2
- d. 4 and 1

15. Which diagram shows the result of a reflection of the shape in figure 1?

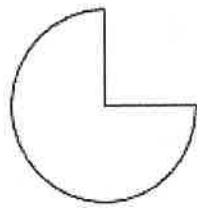
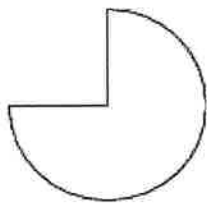
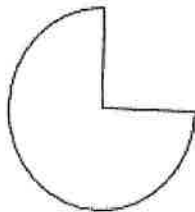


Figure 1

a.



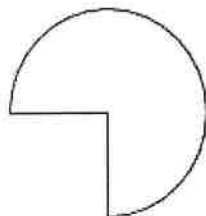
b.



c.



d.





Name \_\_\_\_\_

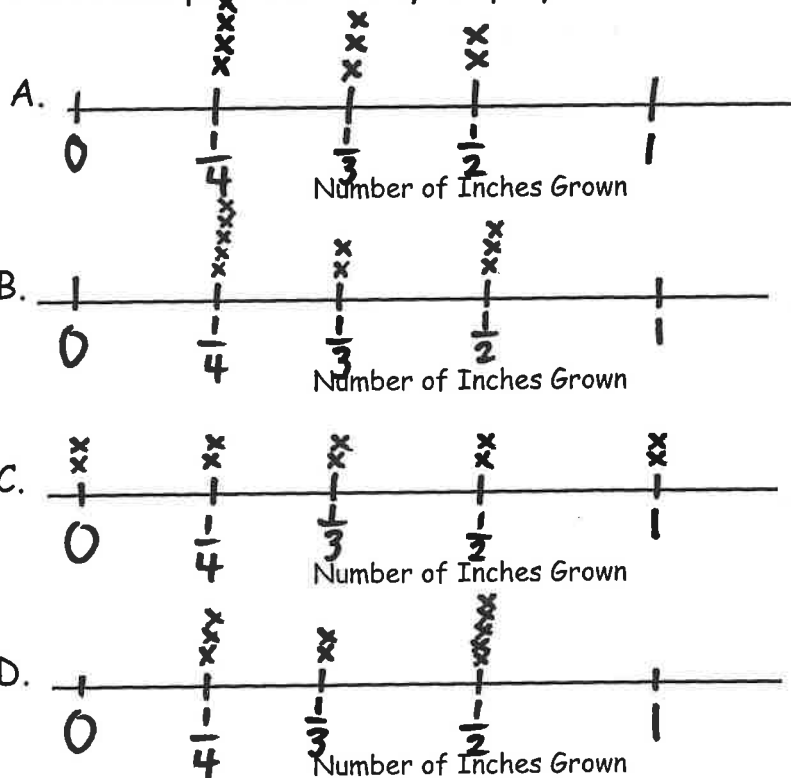
### Practice for the Quarter 3 DCA

4.4.1.1 Use tables, bar graphs, timelines, and Venn diagrams to display data sets. The data may include fractions or decimals. Understand that spreadsheet tables and graphs can be used to display data.

16. The table below shows the number of students who grew the numbers of inches shown during the summer.

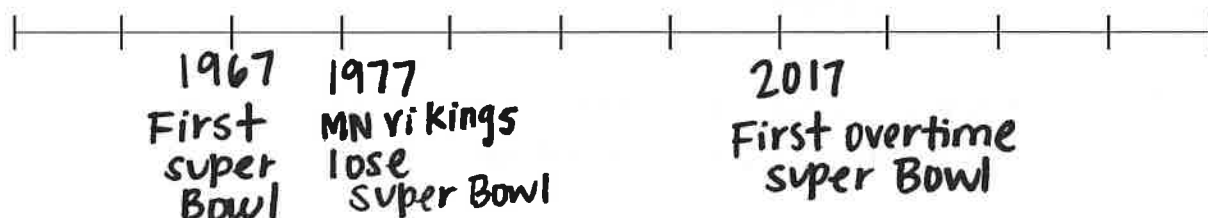
Number of Inches Grown	Number of Students
$\frac{1}{4}$	5
$\frac{1}{3}$	2
$\frac{1}{2}$	3

Which line plot correctly displays this data?



17. Based on the timeline, how many years was it from the time of the first Super Bowl to the time of the first Super Bowl to go into overtime?

### Timeline of Football History



A. 26 years

B. 34 years

C. 41 years

D. 50 years

18. Dr. Limb surveyed several clients at her doctor's office. She found that 20 had birds and 37 had fish. She also found that of these clients, 9 had both birds and fish. Which Venn diagram correctly sorts these data?

