Lesson Practice • Part 1

Choose the correct answer.

1. Nick has 48 DVDs in his collection. He keeps 6 DVDs on each shelf in a cabinet. How many shelves does Nick use for his DVDs?

   ○ **A.** 42
   ○ **B.** 8
   ○ **C.** 7
   ○ **D.** 6

2. Three friends share 30 marbles. Each friend gets the same number of marbles. How many marbles does each friend get?

   ○ **A.** 3
   ○ **B.** 4
   ○ **C.** 10
   ○ **D.** 27

3. Mrs. Martinez gave her 5 children $25 to share equally. How much money did each child receive?

   ○ **A.** $4
   ○ **B.** $5
   ○ **C.** $6
   ○ **D.** $20

4. Emma had 18 extra comic books to share. She divided them equally among 3 friends. How many comic books did each friend get?

   ○ **A.** 3
   ○ **B.** 6
   ○ **C.** 9
   ○ **D.** 15

5. Brenna has 16 flowers. She puts the same number of flowers into 4 bouquets. How many flowers are in each bouquet?

   ○ **A.** 4
   ○ **B.** 12
   ○ **C.** 32
   ○ **D.** 64

6. A bag of apples costs $6 and that is 3 times as much as a box of blueberries. How much does a box of blueberries cost?

   ○ **A.** $18
   ○ **B.** $12
   ○ **C.** $3
   ○ **D.** $2

7. There are 32 students who signed up for a clean-up project. They formed teams of 8 students each. How many teams did they form?

○ **A.** 4
○ **B.** 6
○ **C.** 24
○ **D.** 40

8. Will's toy train is 9 inches long. Lane's toy train is 36 inches long. How many times longer is Lane's train than Will's train?

○ **A.** 27
○ **B.** 18
○ **C.** 9
○ **D.** 4

9. Lilly baked 40 cookies. She shared her cookies equally among 4 friends. How many cookies did each friend receive?

A. Draw a model of the problem.

B. Write a division sentence for the problem. Use ☐ for the quotient.

_____ ÷ _____ = ☐

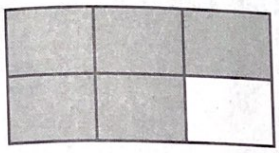
C. How many cookies did each friend receive?

_____

Lesson Practice • Part 1

Choose the correct answer.

1. What fraction of the figure is shaded?

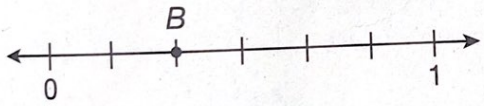


- ○ A. $\frac{1}{6}$
- ○ B. $\frac{2}{6}$
- ○ C. $\frac{4}{6}$
- ○ D. $\frac{5}{6}$

2. Which fraction has 5 for a numerator?

- ○ A. $\frac{1}{4}$
- ○ B. $\frac{3}{5}$
- ○ C. $\frac{4}{7}$
- ○ D. $\frac{5}{8}$

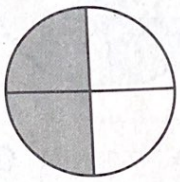
3. Where is point *B* located on the number line?



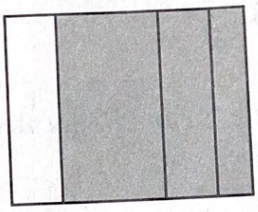
- ○ A. $\frac{1}{6}$
- ○ B. $\frac{2}{6}$
- ○ C. $\frac{4}{6}$
- ○ D. $\frac{5}{6}$

4. Which figure shows $\frac{3}{4}$ shaded?

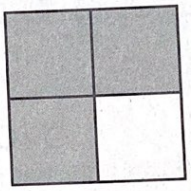
- ○ A.



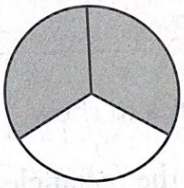
- ○ B.



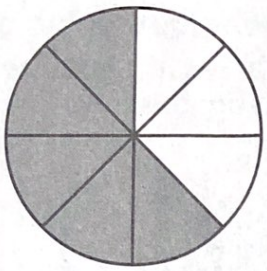
- ○ C.



- ○ D.



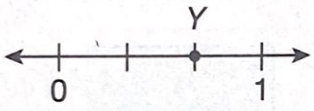
5. What fraction of the circle is shaded?



○ **A.** $\frac{7}{8}$ ○ **C.** $\frac{3}{8}$

○ **B.** $\frac{5}{8}$ ○ **D.** $\frac{1}{8}$

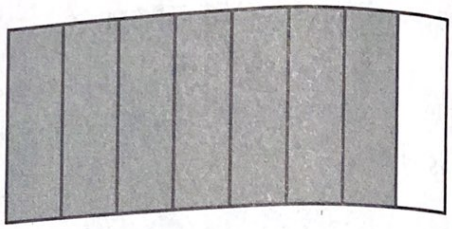
6. Where is point Y located on the number line?



○ **A.** $\frac{1}{4}$ ○ **C.** $\frac{1}{2}$

○ **B.** $\frac{1}{3}$ ○ **D.** $\frac{2}{3}$

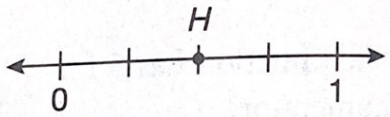
7. What fraction of the rectangle is shaded?



○ **A.** $\frac{7}{8}$ ○ **C.** $\frac{5}{8}$

○ **B.** $\frac{6}{8}$ ○ **D.** $\frac{1}{8}$

8. Where is point H located on the number line?

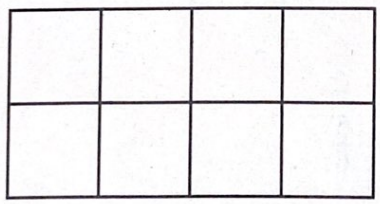


○ **A.** $\frac{1}{4}$ ○ **C.** $\frac{2}{3}$

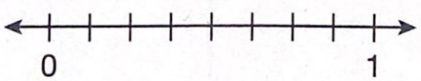
○ **B.** $\frac{2}{4}$ ○ **D.** $\frac{3}{4}$

9. Lenny wants to show $\frac{3}{8}$ in two ways.

A. Shade the rectangle below to show $\frac{3}{8}$.



B. Draw point R at $\frac{3}{8}$ on the number line below.



Lesson Practice • Part 1

Choose the correct answer.

1. Which is the same as $\frac{3}{3}$?

   ○ **A.** 3

   ○ **B.** 2

   ○ **C.** 1

   ○ **D.** $\frac{1}{3}$

2. Which is another way to show the number 8?

   ○ **A.** $\frac{8}{1}$

   ○ **B.** $\frac{4}{4}$

   ○ **C.** $\frac{8}{8}$

   ○ **D.** $\frac{1}{8}$

3. Which fraction is equal to 1?

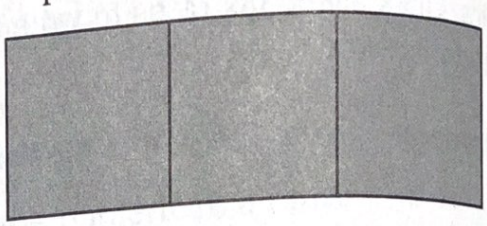
   ○ **A.** $\frac{2}{1}$

   ○ **B.** $\frac{2}{2}$

   ○ **C.** $\frac{2}{3}$

   ○ **D.** $\frac{2}{4}$

4. What fraction is shown by the picture below?



   ○ **A.** $\frac{1}{3}$

   ○ **B.** $\frac{2}{2}$

   ○ **C.** $\frac{3}{3}$

   ○ **D.** $\frac{3}{1}$

5. Which fraction is **not** equal to 1?

   ○ **A.** $\frac{3}{3}$

   ○ **B.** $\frac{5}{5}$

   ○ **C.** $\frac{7}{7}$

   ○ **D.** $\frac{9}{1}$

6. Which is another way to write the fraction $\frac{2}{2}$?

   ○ **A.** $\frac{1}{2}$

   ○ **B.** 1

   ○ **C.** 2

   ○ **D.** $\frac{2}{1}$

7. Which whole number is equal to $\frac{5}{1}$?

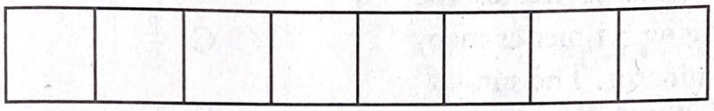
- ○ **A.** 1
- ○ **B.** 5
- ○ **C.** 6
- ○ **D.** 10

8. $\frac{10}{1} = \square$

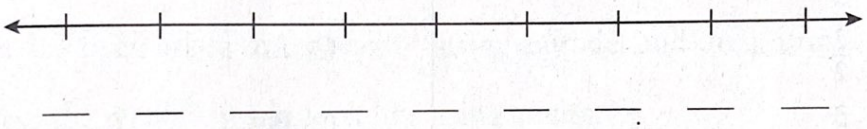
- ○ **A.** 10
- ○ **B.** 9
- ○ **C.** 5
- ○ **D.** $\frac{1}{10}$

9. Mr. Torres asked his students to show $\frac{8}{8}$ with a rectangle and on a number line.

A. Shade the rectangle to show $\frac{8}{8}$.



B. Label the number line. Draw point *A* at $\frac{8}{8}$.



Lesson Practice • Part 2

Choose the correct answer.

1. How can a rhombus be a rectangle?

   ○ **A.** if all the angles form square corners

   ○ **B.** if none of the angles form square corners

   ○ **C.** if some but not all of the angles form square corners

   ○ **D.** A rhombus cannot be a rectangle.

2. Which is **not** a parallelogram?

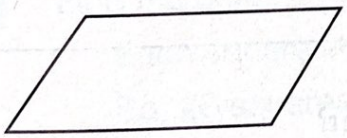
   ○ **A.** rectangle

   ○ **B.** rhombus

   ○ **C.** square

   ○ **D.** trapezoid

3. How many pairs of opposite sides are parallel?



   ○ **A.** 1

   ○ **B.** 2

   ○ **C.** 3

   ○ **D.** 4

4. Which quadrilateral can **not** have 4 equal sides?

   ○ **A.** rectangle

   ○ **B.** rhombus

   ○ **C.** square

   ○ **D.** trapezoid

5. How can a rectangle be a square?

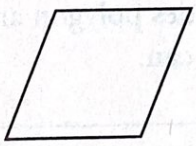
   ○ **A.** if none of the sides are equal

   ○ **B.** if exactly two of the sides are equal

   ○ **C.** if all of the sides are equal

   ○ **D.** A rectangle cannot be a square.

6. Which names this quadrilateral?



   ○ **A.** rectangle

   ○ **B.** rhombus

   ○ **C.** square

   ○ **D.** trapezoid

7. Below is a hexagon.

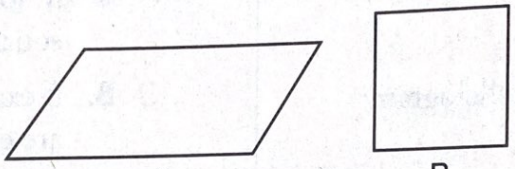
Which two quadrilaterals make the hexagon?

- ○ **A.** rectangles
- ○ **B.** rhombi
- ○ **C.** squares
- ○ **D.** trapezoids

8. A parallelogram does not have square corners or all sides equal. Which best describes the parallelogram?

- ○ **A.** parallelogram
- ○ **B.** rectangle
- ○ **C.** rhombus
- ○ **D.** square

9. Katie drew these two quadrilaterals.



A. Besides polygon and quadrilateral, name quadrilateral A in as many ways as you can.

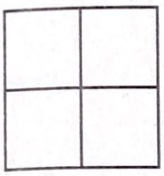
B. Besides polygon and quadrilateral, name quadrilateral B in as many ways as you can.

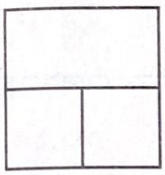
C. How are the quadrilaterals alike and different?

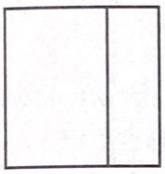
Lesson Practice • Part 2

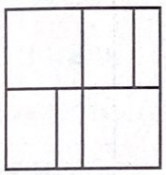
Choose the correct answer.

1. Which square is partitioned into equal areas?

○ **A.** 

○ **B.** 

○ **C.** 

○ **D.** 

2. What fraction describes the area of each part of the rectangle?

○ **A.** $\frac{1}{2}$ ○ **C.** $\frac{1}{7}$

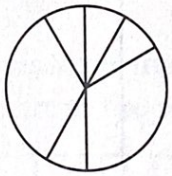
○ **B.** $\frac{1}{4}$ ○ **D.** $\frac{1}{8}$

3. Which circle is partitioned into equal areas?

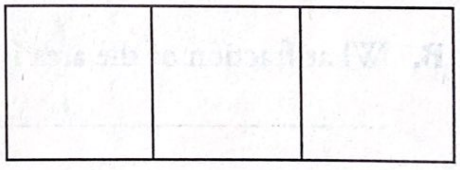
○ **A.** 

○ **B.** 

○ **C.** 

○ **D.** 

4. What fraction describes the area of each part of the rectangle?



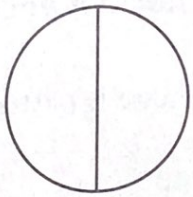
○ **A.** $\frac{1}{6}$ ○ **C.** $\frac{1}{3}$

○ **B.** $\frac{1}{4}$ ○ **D.** $\frac{1}{2}$

5. Each part of a shape makes up $\frac{1}{8}$ of the area. Which describes a rectangle that could be this shape?

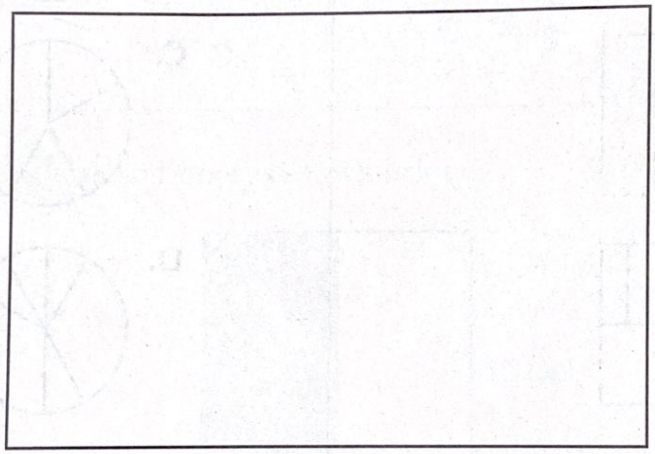
- ○ **A.** 2 rows of 4 squares each that are all equal in size
- ○ **B.** 2 rows of 4 squares each that are all different sizes
- ○ **C.** 3 rows of 3 squares each that are all equal in size
- ○ **D.** 3 rows of 3 squares each that are all different sizes

6. What fraction describes the area of each part of the circle?



- ○ **A.** $\frac{1}{6}$
- ○ **B.** $\frac{1}{4}$
- ○ **C.** $\frac{1}{3}$
- ○ **D.** $\frac{1}{2}$

7. Use a centimeter ruler.



A. Partition the rectangle into 3 equal parts.

B. What fraction of the area is each part?

C. If the area of the entire rectangle is 24 square inches, what is the area, in square inches, of each part? Show your work.

Lesson Practice • Part 1

Choose the correct answer.

1. Kelly baked 5 trays of muffins. Each tray holds 6 muffins. How many muffins did Kelly bake in all?

   ○ **A.** 11
   ○ **B.** 25
   ○ **C.** 30
   ○ **D.** 50

2. Mr. Field's garden has 8 rows of plants. Each row has 10 plants. How many plants does Mr. Field's garden have in all?

   ○ **A.** 18
   ○ **B.** 40
   ○ **C.** 70
   ○ **D.** 80

3. Steven bought 3 bags of potatoes. Each bag has 7 potatoes. How many potatoes did Steven buy in all?

   ○ **A.** 10
   ○ **B.** 21
   ○ **C.** 28
   ○ **D.** 30

4. Ebony has 7 bookshelves. She has 9 books on each shelf. Whitney has 12 more books than Ebony. How many books does Whitney have?

   ○ **A.** 75
   ○ **B.** 63
   ○ **C.** 51
   ○ **D.** 28

5. A toy car costs $5. A toy helicopter costs 3 times as much. How much does a toy helicopter cost?

   ○ **A.** $10
   ○ **B.** $15
   ○ **C.** $20
   ○ **D.** $30

6. Jesse's flower is 7 inches tall. Ted's flower is 2 times as tall as Jesse's. How tall is Ted's flower?

   ○ **A.** 7 inches
   ○ **B.** 9 inches
   ○ **C.** 10 inches
   ○ **D.** 14 inches

7. There are 5 parents driving the students from Ms. Alvarez's class to a play. There are 4 students in each car. How many students from Ms. Alvarez's class are going to the play?

○ **A.** 20
○ **B.** 24
○ **C.** 25
○ **D.** 30

8. There are 10 players on each basketball court. How many players are there on 6 basketball courts?

○ **A.** 30
○ **B.** 50
○ **C.** 60
○ **D.** 80

9. There are 4 lemon trees in Rasheed's backyard. There are 12 lemons growing on each tree.

A. Draw a model of the problem.

B. Write a multiplication sentence for the problem. Use the symbol ☐ for the product.

_____ × _____ = ☐

C. How many lemons in all are growing in Rasheed's backyard?

_____

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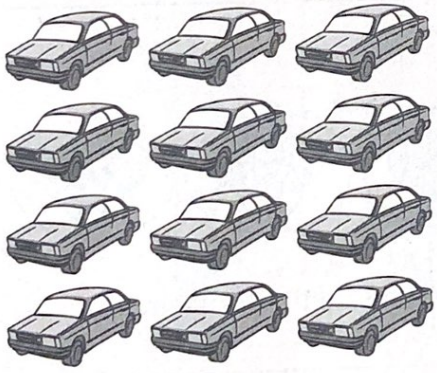
Lesson Practice • Part 2

Choose the correct answer.

1. Which multiplication sentence does this array show?

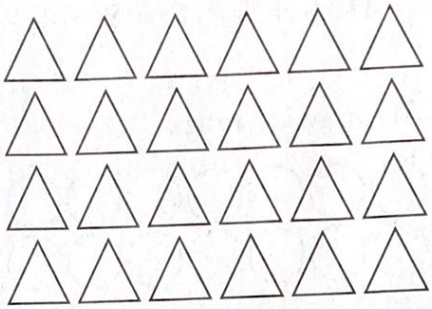
○ **A.** $3 \times 4 = 12$
○ **B.** $3 \times 5 = 15$
○ **C.** $4 \times 4 = 16$
○ **D.** $4 \times 5 = 20$

2. Which multiplication sentence does this picture show?



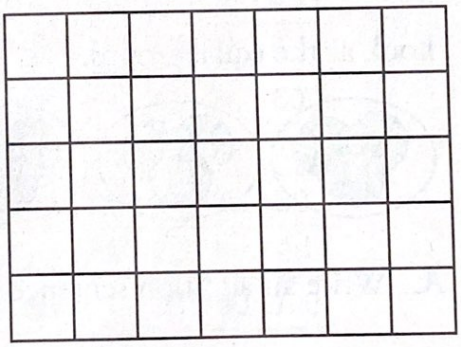
○ **A.** $3 \times 3 = 9$
○ **B.** $3 \times 4 = 12$
○ **C.** $4 \times 4 = 16$
○ **D.** $4 \times 5 = 20$

3. Which addition sentence is represented by the array?



○ **A.** $4 + 4 + 4 + 4 = 16$
○ **B.** $4 + 6 + 4 + 6 = 20$
○ **C.** $6 + 6 + 6 + 6 = 24$
○ **D.** $6 + 6 + 6 + 6 + 6 + 6 = 36$

4. Which multiplication sentence does this area model show?

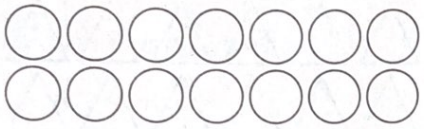


○ **A.** $5 \times 7 = 35$
○ **B.** $6 \times 6 = 36$
○ **C.** $4 \times 4 = 16$
○ **D.** $4 \times 5 = 20$

5. Which is equal to 8×3?

- ○ **A.** $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$
- ○ **B.** $8 + 3 + 8$
- ○ **C.** $8 + 8 + 8$
- ○ **D.** $8 + 8 + 8 + 8$

6. An array is shown.



Which number represents the product?

- ○ **A.** 14
- ○ **B.** 9
- ○ **C.** 7
- ○ **D.** 2

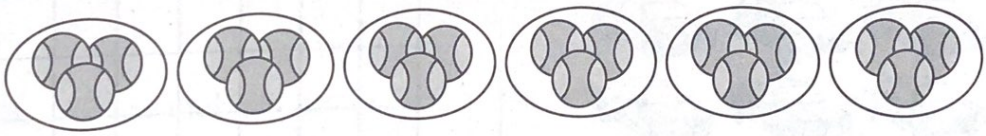
7. What does 3×9 mean?

- ○ **A.** $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$
- ○ **B.** $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$
- ○ **C.** $9 + 9 + 9 + 9$
- ○ **D.** $9 + 9 + 9$

8. Which multiplication sentence does this area model show?

- ○ **A.** $3 \times 8 = 24$
- ○ **B.** $3 \times 9 = 27$
- ○ **C.** $4 \times 8 = 32$
- ○ **D.** $4 \times 9 = 36$

9. Look at the equal groups.



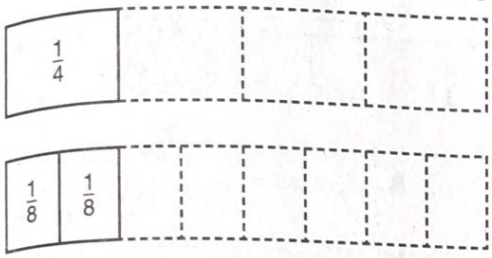
A. Write an addition sentence to show how many tennis balls in all.

B. Write two multiplication sentences to show how many tennis balls in all.

Lesson Practice • Part 1

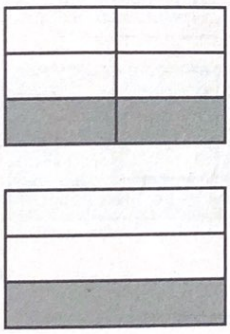
Choose the correct answer.

1. Which fraction is equivalent to $\frac{1}{4}$?



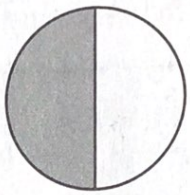
- ○ **A.** $\frac{1}{8}$
- ○ **B.** $\frac{2}{8}$
- ○ **C.** $\frac{4}{8}$
- ○ **D.** $\frac{6}{8}$

2. Which fraction is equivalent to $\frac{2}{6}$?



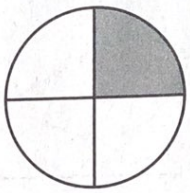
- ○ **A.** $\frac{1}{9}$
- ○ **B.** $\frac{1}{4}$
- ○ **C.** $\frac{1}{3}$
- ○ **D.** $\frac{1}{2}$

3. Look at the circle below.

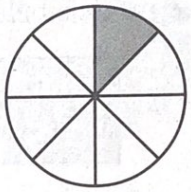


Which also shows $\frac{1}{2}$ of the circle shaded?

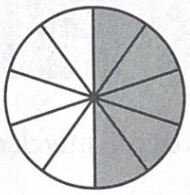
- ○ **A.**



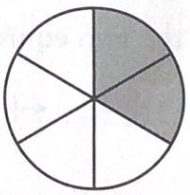
- ○ **B.**



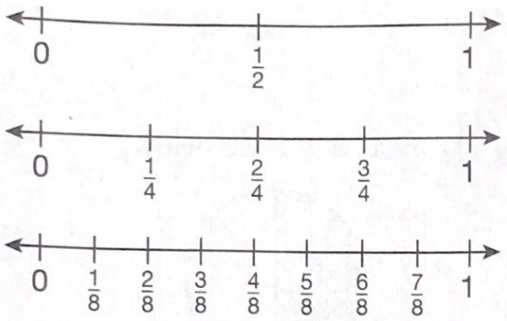
- ○ **C.**



- ○ **D.**

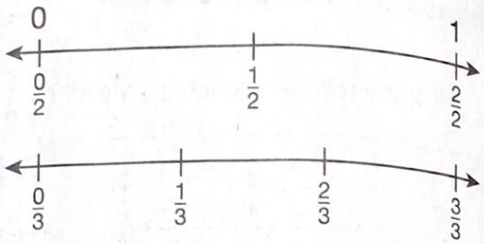


4. Which fraction is equivalent to $\frac{3}{4}$?



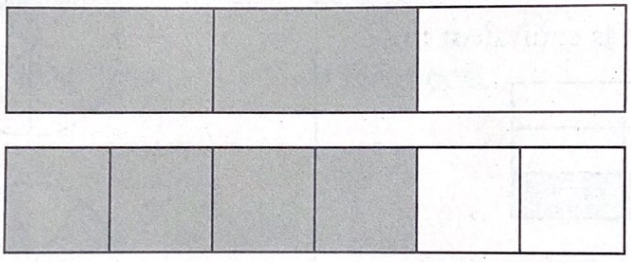
- ○ **A.** $\frac{2}{8}$
- ○ **B.** $\frac{3}{8}$
- ○ **C.** $\frac{1}{2}$
- ○ **D.** $\frac{6}{8}$

5. Which two fractions are equivalent?



- ○ **A.** $\frac{2}{2}$ and $\frac{3}{3}$
- ○ **B.** $\frac{2}{2}$ and $\frac{2}{3}$
- ○ **C.** $\frac{1}{2}$ and $\frac{2}{3}$
- ○ **D.** $\frac{1}{2}$ and $\frac{1}{3}$

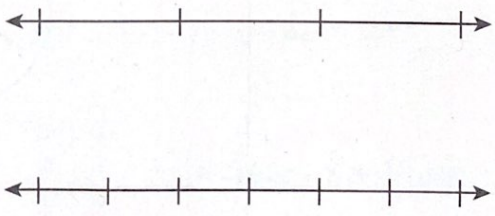
6. Look at the models below.



A. Write two equivalent fractions for the models.

_____ and _____

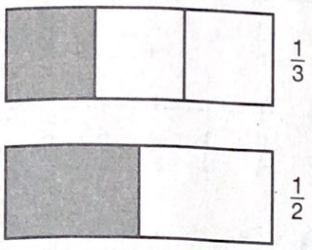
B. Show the two equivalent fractions on the number lines below.



Lesson Practice • Part 1

Choose the correct answer.

1. Look at the two fractions below.

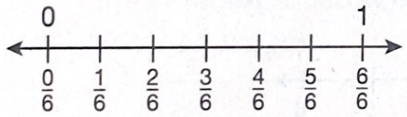


Which sentence is true?

- ○ **A.** $\frac{1}{3} = \frac{1}{2}$
- ○ **B.** $\frac{1}{3} > \frac{1}{2}$
- ○ **C.** $\frac{1}{2} < \frac{1}{3}$
- ○ **D.** $\frac{1}{2} > \frac{1}{3}$

2. Which symbol belongs in the ◯ to make the sentence true?

$\frac{4}{6} \bigcirc \frac{2}{6}$



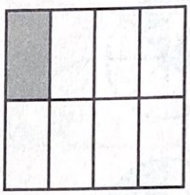
- ○ **A.** >
- ○ **B.** <
- ○ **C.** =
- ○ **D.** +

3. Which is the least fraction?

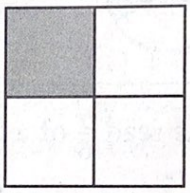
- ○ **A.** $\frac{1}{8}$
- ○ **B.** $\frac{2}{8}$
- ○ **C.** $\frac{3}{8}$
- ○ **D.** $\frac{4}{8}$

4. Which is the greatest fraction?

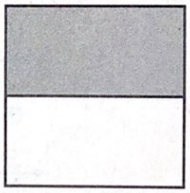
- ○ **A.**



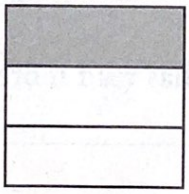
- ○ **B.**



- ○ **C.**



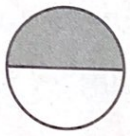
- ○ **D.**



5. The circle below is $\frac{1}{4}$ shaded.

Which circle has less than $\frac{1}{4}$ shaded?

○ **A.**



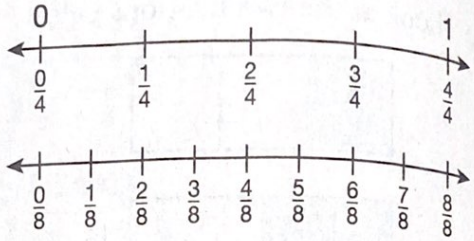
○ **B.**

○ **C.**

○ **D.**

6. Which symbol belongs in the ◯ to make the sentence true?

$\frac{3}{4}$ ◯ $\frac{3}{8}$



○ **A.** >

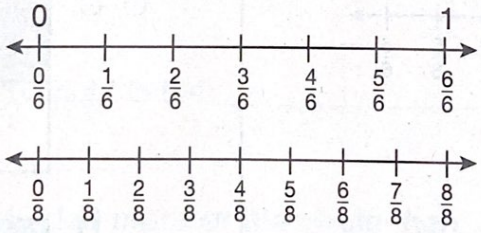
○ **B.** <

○ **C.** =

○ **D.** +

7. Brenda has read $\frac{5}{6}$ of a book. Sylvia has read $\frac{5}{8}$ of the same book.

A. Circle $\frac{5}{6}$ and $\frac{5}{8}$ on the number lines below.

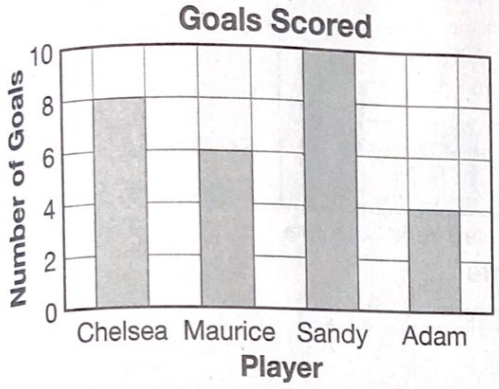


B. Who has read more of the book? Explain your answer.

Lesson Practice • Part 1

Choose the correct answer.

Use the bar graph for questions 1–3.



1. Who scored 4 goals?

   ○ **A.** Chelsea ○ **C.** Sandy
   ○ **B.** Maurice ○ **D.** Adam

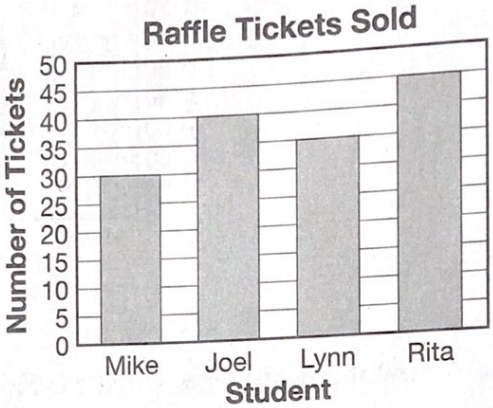
2. Who scored more than 6 goals but fewer than 10 goals?

   ○ **A.** Chelsea ○ **C.** Sandy
   ○ **B.** Maurice ○ **D.** Adam

3. How many goals did Maurice and Adam score in all?

   ○ **A.** 16 ○ **C.** 10
   ○ **B.** 12 ○ **D.** 5

Use the bar graph for questions 4–6.



4. Who sold exactly 35 tickets?

   ○ **A.** Mike ○ **C.** Lynn
   ○ **B.** Joel ○ **D.** Rita

5. How many more tickets did Rita sell than Mike?

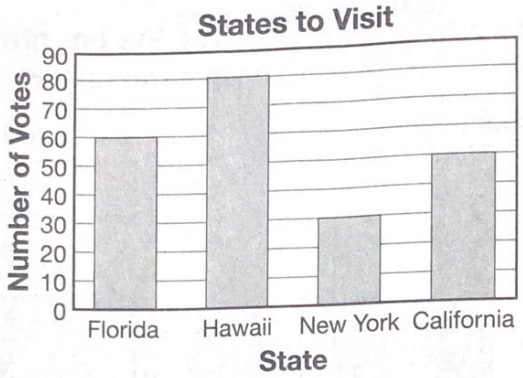
   ○ **A.** 15 ○ **C.** 45
   ○ **B.** 30 ○ **D.** 75

6. How many tickets did Joel and Lynn sell in all?

   ○ **A.** 85 ○ **C.** 40
   ○ **B.** 75 ○ **D.** 35

Use the bar graph for questions 7 and 8.

Eric asked some students about which states they would most like to visit. The graph shows his data.



7. How many students voted for Florida?

- ○ **A.** 30
- ○ **B.** 50
- ○ **C.** 60
- ○ **D.** 80

8. How many fewer students voted for New York than Hawaii?

- ○ **A.** 30
- ○ **B.** 40
- ○ **C.** 50
- ○ **D.** 80

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