

Name \_\_\_\_\_

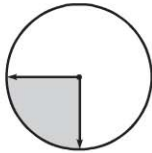
## Angles and Fractional Parts of a Circle

COMMON CORE STANDARD CC.4.MD.5a

Geometric measurement: understand concepts of angle and measure angles.

Tell what fraction of the circle the shaded angle represents.

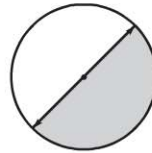
1.



$\frac{1}{4}$

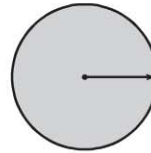
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2.



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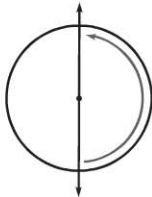
3.



\_\_\_\_\_

Tell whether the angle on the circle shows a  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , or 1 full turn clockwise or counterclockwise.

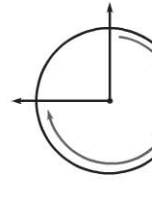
4.



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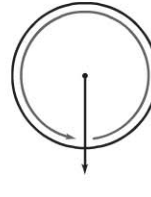
5.



\_\_\_\_\_

\_\_\_\_\_

6.



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\_\_\_\_\_

## Problem Solving **REAL WORLD**

7. Shelley exercised for 15 minutes. Describe the turn the minute hand made.



Start



End

\_\_\_\_\_  
\_\_\_\_\_

8. Mark took 30 minutes to finish lunch. Describe the turn the minute hand made.



Start

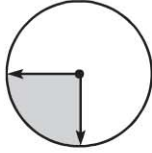


End

\_\_\_\_\_  
\_\_\_\_\_

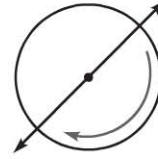
**Lesson Check** (CC.4.MD.5a)

1. What fraction of the circle does the shaded angle represent?



- (A)  $\frac{1}{1}$  or 1                      (C)  $\frac{1}{2}$   
 (B)  $\frac{3}{4}$                               (D)  $\frac{1}{4}$

2. Which describes the turn shown below?



- (A)  $\frac{1}{4}$  turn clockwise  
 (B)  $\frac{1}{2}$  turn clockwise  
 (C)  $\frac{1}{4}$  turn counterclockwise  
 (D)  $\frac{1}{2}$  turn counterclockwise

**Spiral Review** (CC.4.OA.4, CC.4.NF.1, CC.4.NF.4c, CC.4.NF.7)

3. Which shows  $\frac{2}{3}$  and  $\frac{3}{4}$  written as a pair of fractions with a common denominator?

(Lesson 6.4)

- (A)  $\frac{2}{3}$  and  $\frac{4}{3}$   
 (B)  $\frac{6}{9}$  and  $\frac{6}{8}$   
 (C)  $\frac{2}{12}$  and  $\frac{3}{12}$   
 (D)  $\frac{8}{12}$  and  $\frac{9}{12}$

4. Raymond bought  $\frac{3}{4}$  of a dozen rolls. How many rolls did he buy? (Lesson 8.4)

- (A) 3  
 (B) 6  
 (C) 7  
 (D) 9

5. Which of the following lists all the factors of 18? (Lesson 5.1)

- (A) 1, 2, 4, 9, 18  
 (B) 1, 2, 3, 6, 9, 18  
 (C) 2, 3, 6, 9  
 (D) 1, 3, 5, 9, 18

6. Jonathan rode 1.05 miles on Friday, 1.5 miles on Saturday, 1.25 miles on Monday, and 1.1 miles on Tuesday. On which day did he ride the shortest distance? (Lesson 9.7)

- (A) Monday                      (C) Friday  
 (B) Tuesday                      (D) Saturday