Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NC.4.MD.6 CFA (Cluster 8)

1. The time on the clock below is 4:00. If the hands of the clock were extended, they would intersect the edge of the clock. The arc formed by these two hands would be $\frac{2}{6}$ of the full circle.



 What angle is formed by the hands of the clock?

1. 40˚
2. 90˚
3. 120˚
4. 180˚
5. What is the measure of the angle shown on the protractor?

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1. 115˚
2. 105˚
3. 85˚
4. 75˚
5. A garden sprinkler rotates 40˚ every 15 seconds. How long does it take the sprinkler to rotate 360˚?
	1. 1 minute
	2. 2 minutes 15 seconds
	3. 2 minutes 25 seconds
	4. 10 minutes
6. Which of the following statements is true about Angle A?



1. Both Angle A and the smaller arc on the circle measure 120˚
2. Both Angle A and the larger arc on the circle measure 240˚
3. Both Angle A and the smaller arc on the circle measure 0˚
4. Both Angle A and the smaller arc on the circle measure 240˚
5. A video surveillance camera turned 40˚ and paused before continuing to turn. If the camera turned a total of 142˚, how many degrees did the camera turn on the second rotation?



1. 182˚
2. 180˚
3. 102˚
4. 100˚
5. A museum is building a ramp to make the building wheelchair and stroller accessible. The ramp will have a 20˚ incline. The contractor knows that the measure for one angle of the post should be 70˚. He needs to determine the measure of the missing angle, x, to make sure that the post for the handrail is straight, at 180˚.



Which should be the value of x, the measure of the missing angle, to make sure the post for the handrail is straight?

1. 90˚
2. 100˚
3. 110˚
4. 180˚
5. Jasmine drew the figure below.



Which measurement is closest to the measure of < D?

1. 45˚
2. 90˚
3. 150˚
4. 175˚
5. The figure below shows the intersection of streets. Hawthorne St. intersects Chriswood St. at a 110˚ angle. Chriswood St. intersects Larkspur St. at a 40˚ angle.



 At what angle does Hawthorne St. intersect Larkspur St.?

1. 70˚
2. 80˚
3. 140˚
4. 150˚
5. A fan moves in a left to right motion before going back from right to left. The fan rotates five degrees each second. If the fan rotated a total of 145 degrees, how many 5 degree turns did the fan make in all?
	1. 29
	2. 140
	3. 290
	4. 360
6. At the carnival, a Ferris wheel rotates small angles to load and dismount passengers. If the Ferris wheel has rotated 340 degrees already, how many degrees remain to make a full rotation?
	1. 360˚
	2. 200˚
	3. 150˚
	4. 20˚

**ANSWER KEY**

1. C
2. D
3. B
4. A
5. C
6. C
7. C
8. A
9. A
10. D