COMMON CORE

MODULE 3 MIXED REVIEW

Assessment Readiness

THURSDAY 10/26 7TH GRADE MATH HOMEWORK

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Personal Math Trainer

Online Assessment and Intervention

Selected Response

1. What is $-7\frac{5}{12}$ written as a decimal?

Ⓐ -7.25

Ⓑ $-7.333\ldots$

Ⓒ $-7.41666\ldots$

Ⓓ -7.512

2. Glenda began the day with a golf score of -6 and ended with a score of -10. Which statement represents her golf score for that day?

Ⓐ $-6-(-10)=4$

Ⓑ $-10-(-6)=-4$

Ⓒ $-6+(-10)=-16$

Ⓓ $-10+(-6)=-16$

3. A submersible vessel at an elevation of -95 feet descends to 5 times that elevation. What is the vessel's new elevation?

Ⓐ -475 ft

Ⓑ -19 ft

Ⓒ 19 ft

Ⓓ 475 ft

4. The temperature at 7 P.M. at a weather station in Minnesota was -5 °F. The temperature began changing at the rate of -2.5 °F per hour. What was the temperature at 10 P.M.?

Ⓐ -15 °F

Ⓑ -12.5 °F

Ⓒ 2.5 °F

Ⓓ 5 °F

5. What is the sum of -2.16 and -1.75?

Ⓐ 0.41

Ⓑ 3.91

Ⓒ -0.41

Ⓓ -3.91

6. On Sunday, the wind chill temperature reached -36 °F. On Monday, the wind chill temperature only reached $\frac{1}{4}$ of Sunday's wind chill temperature. What was the lowest wind chill temperature on Monday?

Ⓐ -9 °F

Ⓑ $-36\frac{1}{4}$ °F

Ⓒ -40 °F

Ⓓ -144 °F

7. The level of a lake was 8 inches below normal. It decreased $1\frac{1}{4}$ inches in June and $2\frac{3}{8}$ inches more in July. What was the new level with respect to the normal level?

Ⓐ $-11\frac{5}{8}$ in.

Ⓑ $-10\frac{5}{8}$ in.

Ⓒ $-9\frac{1}{8}$ in.

Ⓓ $-5\frac{3}{8}$ in.

Mini-Task

8. The average annual rainfall for a town is 43.2 inches.

a. What is the average *monthly* rainfall?

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b. The difference of a given month's rainfall from the average monthly rainfall is called the *deviation*. What is the deviation for each month shown?

Town's Rainfall in Last Three Months			
Month	May	June	July
Rain (in.)	$2\frac{3}{5}$	$\frac{7}{8}$	$4\frac{1}{4}$

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c. The average monthly rainfall for the previous 9 months was 4 inches. Did the town exceed its average annual rainfall? If so, by how much?

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