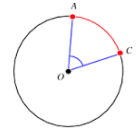


Name: _____

math arcs

applying and reviewing concepts



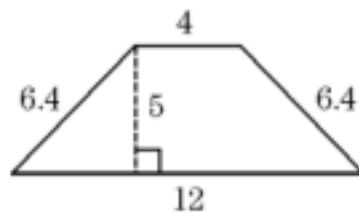
Grade 6 Week 27 Day 1

1. A marathon runner runs 26 miles in 5 hours. What is the runner's speed in miles per hour?

- A 4.1 mph
- B 4.7 mph
- C 5.2 mph
- D 5.5 mph

6.4D

2. What is the area of the trapezoid?



+	0	0	0	0	.	0	0		
-	1	1	1	1		1	1		
	2	2	2	2		2	2		
	3	3	3	3		3	3		
	4	4	4	4		4	4		
	5	5	5	5		5	5		
	6	6	6	6		6	6		
	7	7	7	7		7	7		
	8	8	8	8		8	8		
	9	9	9	9		9	9		

Record your answer on the grid below.
Be sure to use correct place value.

6.8D

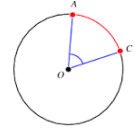
3. Which of the number lines shows numbers with the same absolute value?

- A
- B
- C
- D

6.2B

Name: _____

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Grade 6 Week 27 Day 2

1. Solve: $5\frac{1}{2} \div \frac{3}{4}$

A $7\frac{1}{3}$

B $\frac{17}{3}$

C $\frac{3}{8}$

D $\frac{3}{22}$

6.3E

2. DeWayne delivers fresh salmon. The table shows varying amounts of salmon that are contained in different numbers of truckloads.

Number of Truckloads	Salmon (pounds)
1	4500
4	18,000
10	45,000

Which equation describes the relationship between the amount of salmon, s , and the number of truckloads, t ?

A $t = s + 4500$

B $45000 = st$

C $t = 4.5s$

D $4500t = s$

6.6B

3. The sum of the measures of two angles is 78.5° . One angle has a measure of 54° . What is m , the measure in degrees of the second angle?

A 24.5°

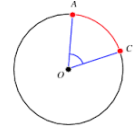
B 132.5°

C 4.5°

D 38.5°

6.10A

Name: _____



Grade 6 Week 27 Day 3

1. Which of the following inequalities has a solution that is graphed on the number line below?



- A $5x < 10$
- B $3x > 6$
- C $10x \geq 20$
- D $8x \leq 16$

6.9B

2. There are 8 liters of water in a jug. Bethany wants to divide the water equally so that there is $\frac{1}{2}$ liter of water in each plastic cup. Bethany wrote an expression to determine the number of cups she will need.

$$8 \div \frac{1}{2}$$

Which of these shows how to write $8 \div \frac{1}{2}$ as a product?

- A $\frac{1}{8} \times \frac{1}{2}$
- B 8×2
- C $8 \div 2$
- D $8 \times \frac{1}{2}$

6.3A

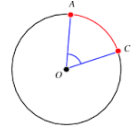
3. Which expression is equivalent to $(4a) \cdot 5$?

- A $4a + 5a$
- B $5(4) + 5(a)$
- C $20a$
- D $5(4 + a)$

6.7D

Name: _____

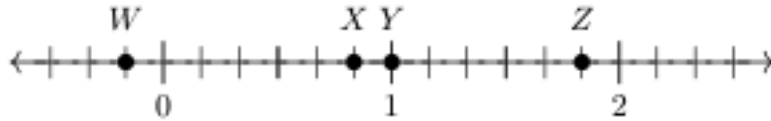
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Grade 6 Week 27 Day 4

1. Which letter best represents $\frac{5}{6}$ on the number line?

- A Point W
- B Point X
- C Point Y
- D Point Z



6.2C

2. What is the prime factorization of 68?

- A $2 \cdot 7 \cdot 17$
- B $2^3 \cdot 7$
- C $2 \cdot 3 \cdot 17$
- D $2^2 \cdot 17$

6.7A

3. Look at the equations.

- I. $h = 3.2m$
- II. $n = 8 + p$
- III. $y = \frac{1}{4}x$
- IV. $r + 6 = k$

Which of the equations shows a multiplicative relationship?

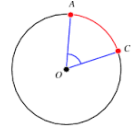
- A III only
- B I and II only
- C I and III only
- D II and IV only

6.4A

Name: _____

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Grade 6 Week 27 Day 5

1. The lowest daily temperatures in Calgary, Canada during the last week of December are listed in the chart:

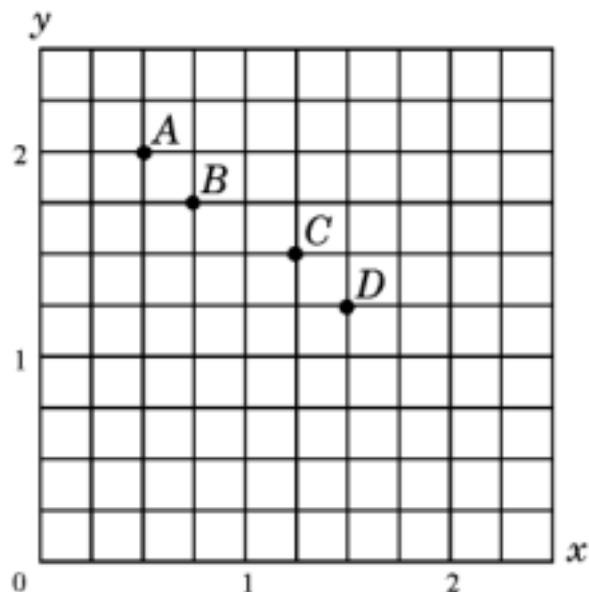
Monday	-5°F
Tuesday	-10°F
Wednesday	0°F
Thursday	5°F
Friday	-1°F
Saturday	-7°F
Sunday	-8°F

Which three days had the lowest daily temperature?

- A Friday, Monday, Saturday
- B Thursday, Wednesday, Friday
- C Tuesday, Sunday, Saturday
- D Tuesday, Thursday, Monday

6.2D

2. Which point best represents the location of the ordered pair $(1\frac{1}{2}, 1\frac{1}{4})$?



- A Point A
- B Point B
- C Point C
- D Point D

6.11A