

MCAP ... Grade 6 Practice (Section 1)

Mathematics

1 What is the value of $63,798 \div 49$?

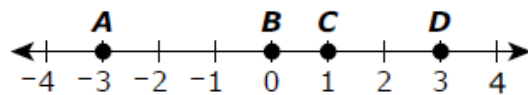
- A 132
- B 1,302
- C 1,320
- D 1,506

2 What is the value of the following expression?

$$\frac{9^2 + 5 \cdot 2 - 1^3}{2^4 - 6}$$

Enter your answer in the space provided.

3 Points A , B , C and D are plotted on the number line shown.



Which point represents the value of $|3|$?

- A point A
- B point B
- C point C
- D point D

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- 4 All of the numbers that do not exceed 15 will be graphed on a number line.

Which statement best describes the graph of the numbers?

Select one answer.

- A The graph will be a ray that starts at 14 and points to the left. The graph will include the endpoint of the ray.
 - B The graph will be a ray that starts at 15 and points to the left. The graph will include the endpoint of the ray.
 - C The graph will be a ray that starts at 15 and points to the right. The graph will not include the endpoint of the ray.
 - D The graph will be a ray that starts at 16 and points to the left. The graph will not include the endpoint of the ray.
- 5 What is the value of $25.761 - 17.49$?

- A 8.271
- B 8.371
- C 8.712
- D 24.012

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6 Melvin and Roberto played football on two different teams last season.

- Melvin's team won w games.
- Roberto's team won 3 fewer games than Melvin's team.

Which expression can be used to represent the number of games Roberto's team won last season?

Select one answer.

A $w + 3$

B $w - 3$

C $w \cdot 3$

D $w \div 3$

7 A jar contains some marbles that are either white or red. The ratio of the number of white marbles to the number of red marbles is 2:3.

What might be the total amount of white and red marbles in the jar?

Select **all** that apply.

A 6 white marbles and 9 red marbles

B 12 white marbles and 13 red marbles

C 14 white marbles and 21 red marbles

D 22 white marbles and 33 red marbles

E 36 white marbles and 39 red marbles

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8 An artist is creating several pieces of pottery.

- He has $10\frac{4}{5}$ pounds of clay.
- He will use $\frac{7}{10}$ of a pound to create each piece of pottery.

What is the **greatest** number of pieces of pottery the artist can make with this clay?

- A The artist can create 3 pieces of pottery.
- B The artist can create 5 pieces of pottery.
- C The artist can create 12 pieces of pottery.
- D The artist can create 15 pieces of pottery.

9 An expression is shown.

$$56 + 91$$

Which expression is equivalent to the given expression **and** is written using the **greatest** common factor of the two numbers in the expression?

- A $1(56 + 91)$
- B $3(14 + 27)$
- C $7(8 + 13)$
- D $13(4 + 7)$

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10 Which expressions are equivalent to $4x + 16$?

Select **all** that apply.

A $2x + 2x + 8 + 8$

B $2x(2 + 8)$

C $4x + 4x + 4x + 4x$

D $4(x + 4)$

E $4x(1 + 4)$

11 Describe how the numbers $-7\frac{1}{2}$ and -7 would be positioned relative to each other on a horizontal number line.

Select one answer.

A The number $-7\frac{1}{2}$ would be positioned to the left of -7 on a horizontal number line because $-7\frac{1}{2} < -7$.

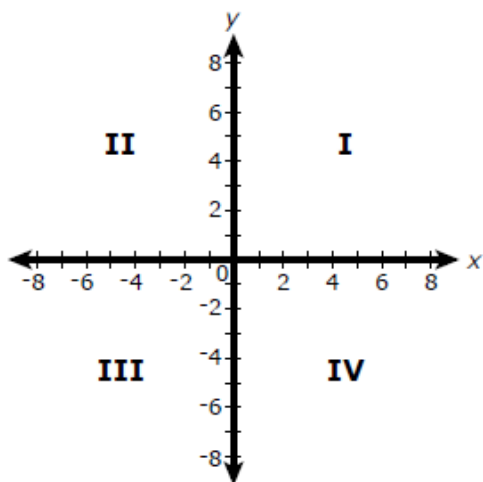
B The number $-7\frac{1}{2}$ would be positioned to the left of -7 on a horizontal number line because $-7\frac{1}{2} > -7$.

C The number $-7\frac{1}{2}$ would be positioned to the right of -7 on a horizontal number line because $-7\frac{1}{2} < -7$.

D The number $-7\frac{1}{2}$ would be positioned to the right of -7 on a horizontal number line because $-7\frac{1}{2} > -7$.

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- 12** Point A is located at $(6, 3)$ in the coordinate plane. Point B is located 5 units below point A .



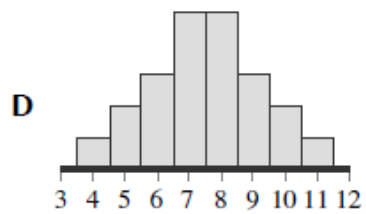
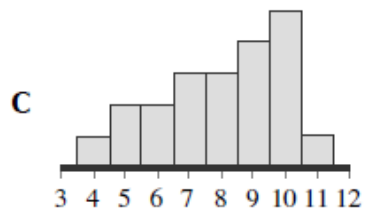
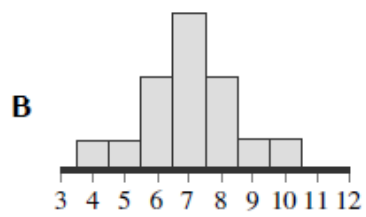
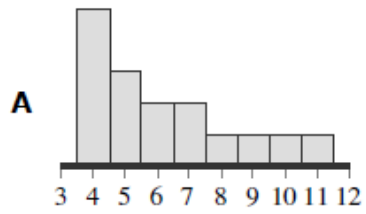
Which quadrant in the coordinate plane contains point B ?

- A** quadrant I
- B** quadrant II
- C** quadrant III
- D** quadrant IV

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13 Which of the following histograms shows a distribution that is skewed to the left?

Select one answer.



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14 What is the value of 43.7×0.25 ?

A 1.0925

B 4.395

C 10.925

D 43.95

Answers

Section 1

Item Number	Answer Key
1.	B
2.	9
3.	D
4.	B
5.	A
6.	B
7.	A, C, D
8.	D
9.	C
10.	A, D
11.	A
12.	D
13.	C
14.	C