

## EOG Test Prep #5

### Math: Fractions

Please use the attached bubble sheet to mark all of your answers. Practicing the transferring of answers to an answer sheet will be imperative to passing the EOG at the end of the year.

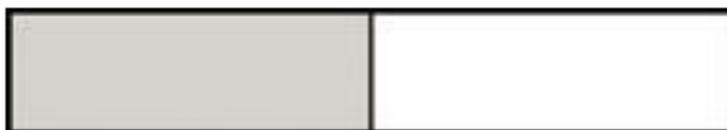
1. The number line below is divided into equal parts between 0 and 1.



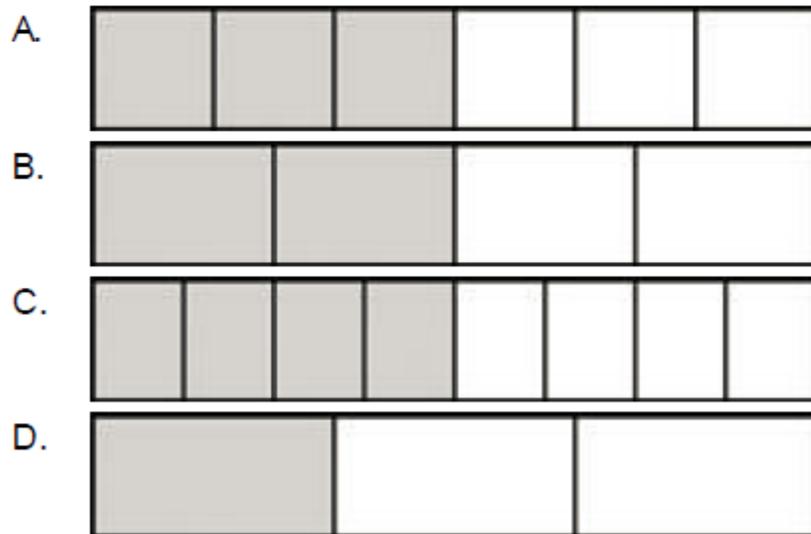
What fraction is shown by each part of this number line?

- A.  $\frac{1}{7}$
- B.  $\frac{1}{6}$
- C.  $\frac{6}{7}$
- D.  $\frac{6}{1}$

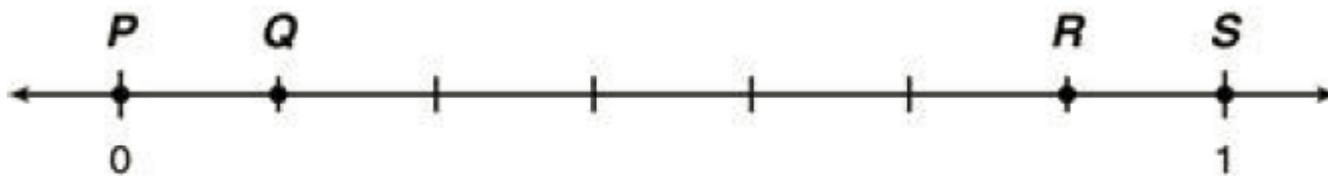
1. This model represents the fraction  $\frac{1}{2}$ .



Which model shows a fraction that is not equal to  $\frac{1}{2}$ ?



2. Which point on this number line shows the fraction  $\frac{1}{7}$ ?



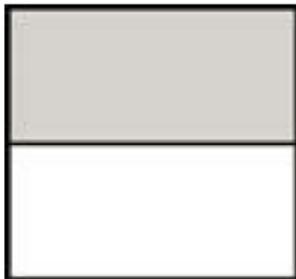
- A. Point *P*  
B. Point *Q*  
C. Point *R*  
D. Point *S*

3.

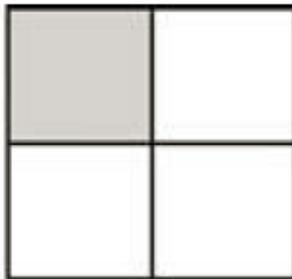
Which whole number can also be written as the fraction  $\frac{9}{3}$ ?

- A. 3
- B. 6
- C. 12
- D. 27

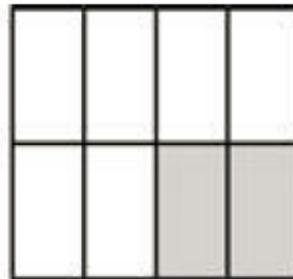
4. Four fraction models are shown below.



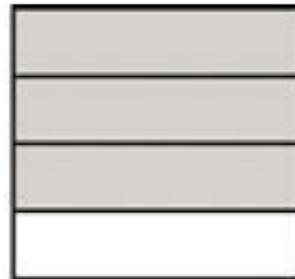
**P**



**Q**



**R**

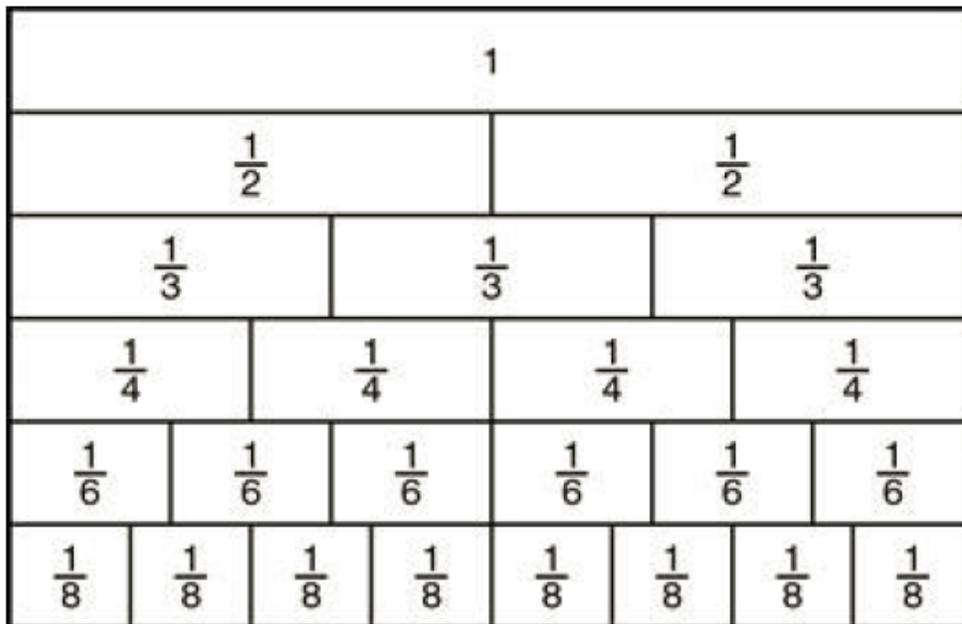


**S**

Which two models are shaded to represent equal fractions?

- A. Models *P* and *Q*
- B. Models *Q* and *S*
- C. Models *Q* and *R*
- D. Models *P* and *S*

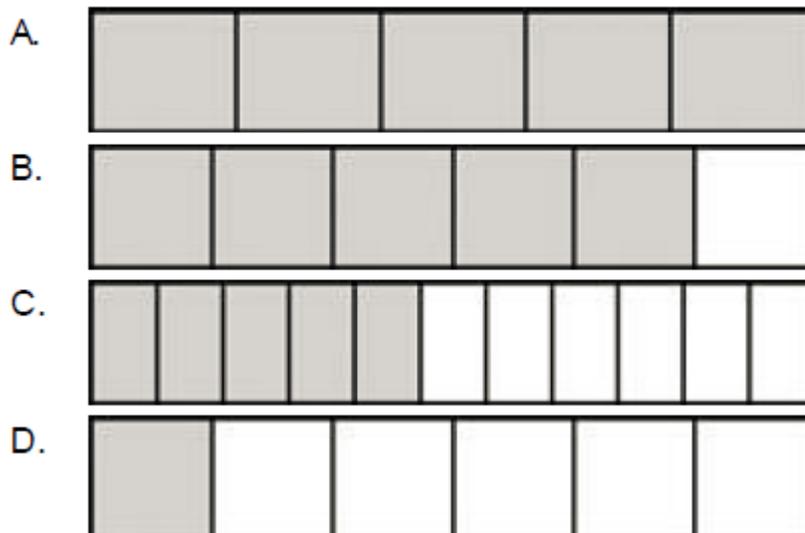
5. A group of fraction bars is shown below.



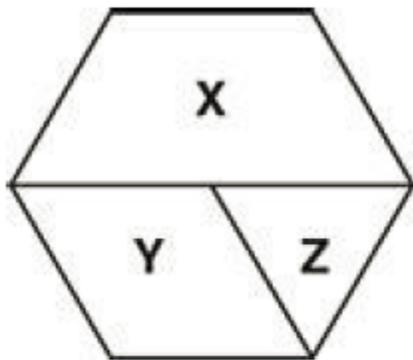
Which statement about these fraction bars is true?

- A.  $\frac{1}{8}$  is equal to  $\frac{1}{6}$ .
- B.  $\frac{1}{4}$  is equal to  $\frac{2}{4}$ .
- C.  $\frac{1}{3}$  is equal to  $\frac{3}{6}$ .
- D.  $\frac{3}{4}$  is equal to  $\frac{6}{8}$ .

6. Which model shows  $\frac{5}{6}$  shaded?



7. What part of the hexagon's area does Triangle Z make up?



- A.  $\frac{1}{2}$
- B.  $\frac{1}{3}$
- C.  $\frac{1}{5}$
- D.  $\frac{1}{6}$

8. In Jamal's stained glass art design,  $\frac{3}{4}$  of the pieces of glass are not white. Which design could be Jamal's stained glass art design?

A. 


B. 

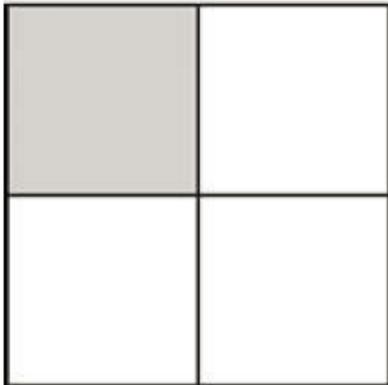

C. 


D. 

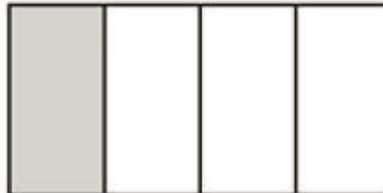

9.

Each model below is shaded to show a fraction.

Model X



Model Y



Which statement is true?

- A. The shaded parts of the models show that  $\frac{1}{3} = \frac{1}{3}$ .
- B. The shaded parts of the models show that  $\frac{1}{4} > \frac{1}{3}$ .
- C. The shaded area of Model X is not equal to the shaded area of Model Y because the models are not the same size.
- D. The shaded area of Model X is equal to the shaded area of Model Y because both models are shaded to represent  $\frac{1}{4}$ .

## Math EOG Test Prep #5 Answer Sheet

Please fill in your answers on the below bubble sheet.

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

# Like Master Like Servant

One day in China, a man called Ping Sin decided to go out for a walk. Now, Ping Sin was the silliest man in China. Ping Sin was such a noodlehead that when he put on his boots, he never noticed that they were two different boots. One boot had a very thick sole. The sole of the other boot was very thin.

Ping Sin set off on his walk. His servant, Pu Shih, followed behind him. Ping Sin soon found it difficult to walk. One foot was always sinking more deeply than the other.

A stranger passed by and saw the trouble Ping Sin was having.

"Excuse me," the stranger said, smiling. "You are having trouble walking because one of your boots has a thick sole and the other, a thin one. Put on two boots with the same kind of soles, and you will have no more trouble walking."

Ping Sin turned to his servant and said, "Pu Shih, return to the house and bring me my other boots."

The servant ran back to the house and quickly found the other boots. He looked at them carefully. One boot had a thick sole, and the other had a thin sole.

"These are no better than the boots my master has on now. There's no reason to bring these to him. They are as uneven as the boots he is wearing now."

Pu Shih ran back to his master, who was waiting for him. When Ping Sin saw him return empty-handed, he asked, "Where's the boots I asked you for?"

"Master," Pu Shih said, "the boots at home also had one thick sole and one thin sole. They are no better than the ones you are wearing now."

What do you think Ping Sin said to Pu Shih?

"How fortunate I am to have such a wise servant," said Ping Sin. "Today my walk must be a hard one." And the two men continued down the road.

1. Which detail from the story best shows that Ping Sin was a foolish man?
  - a. "Now Ping Sin was the silliest man in China."
  - b. "Ping Sin was such a noodlehead that when he put on his boots, he never noticed that they were two different boots."
  - c. "How fortunate I am to have such a wise servant," said Ping Sin.
  - d. All of the above
2. Why isn't Ping Sin angry when Pu Shih returns without bringing back his boots?
  - a. He saw that his servant was already upset.
  - b. He was always patient with his servant.
  - c. He was as foolish as his servant.
  - d. The boots he had on weren't causing him that much of a problem.
3. Who is the narrator of "Like Master, Like Servant"?
  - a. Ping Sin
  - b. Pu Shih
  - c. The stranger
  - d. A narrator outside of the story

4. Read the following sentence from paragraph 11: *"How fortunate I am to have such a wise servant," said Ping Sin.* Which is the best definition of the word "fortunate"?
- Unhappy
  - Lucky
  - Clever
  - Foolish
5. Which statement best describes how Ping Sin and Pu Shih are similar?
- Both are very forgiving.
  - Both are appreciative for what they have.
  - Both are fairly ignorant.
  - Both are hard working.

## Sarah and Janet

Sarah and her sister Janet were always competing with each other. Sarah always wanted to outdo Janet. Janet always wanted to outdo Sarah.

They liked most of the same things and this often led to fights. If Janet sang a song, Sarah wanted to sing it louder and better. If Sarah learned a new song on the piano, Janet had to learn it too and she would try to perform it better. They both wanted to be the fastest runner and the best volleyball player. They would even compete over who could finish reading a book the fastest. It drove their mother crazy.

"Why can't you girls just get along?" she would ask them time and time again. "I am so tired of hearing your bickering."

They would just shrug and keep on arguing. One day, their mother had an idea to help them get along. She planned to take them shopping at the local mall. The girls were excited about taking a shopping trip.

"Now you can both pick out something," said their mother as she parked the car outside the mall. "But choose carefully because you can each only have one outfit."

When they arrived at the mall, they entered a clothing shop. Soon enough, the girls began fighting over the clothing.

"I want this dress," Sarah stated. "No, I want that dress," Janet said.

"I'm having it because it'll look better on me," Sarah said. "It will not! It will look better on me," Janet said.

"Alright," said their mother quietly. "Since you both like the dress so much, you can both have one. But do you want to each pick a different color?"

6. What does the word bickering mean in the sentence below?
- "I am so tired of hearing your bickering."**
- Fighting
  - Complaining
  - Singing.
  - Competing

7. Which meaning of the word clear is used in the sentence below?

**It all became clear the following day.**

- a. Able to be seen through.
- b. Fine or nice
- c. Understood or known
- d. Sounding pleasant

8. What is the mother's main problem in the passage?

- a. Her daughters have too many things.
- b. Her daughters need more clothes.
- c. Her daughters wear the same outfits.
- d. Her daughters are always fighting.

9. What most likely happens next in the passage?

- a. The girls go shopping again
- b. The girls go to school looking the same
- c. The girls put on a different matching outfit
- d. The girls ask their father for help

10. If the passage was given another title, which title would best fit?

- a. Being Your Best
- b. How to Shop Well
- c. Fighting Over Nothing
- d. The Magic Dress

## ELA EOG Test Prep #5 Answer Sheet

Please fill in your answers on the below bubble sheet.

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

## Answer Key- Test Prep #5

(For Learning Coach only!)

### Math:

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

### ELA:

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