PSSA and Keystone Exams
Summer 2023 Workshops

PSSA, Grade 3 Math

Kaylee Paints

Handscoring

Practice Set 2*

*Responses in this set do not have true scores. Apply scores based on scoring criteria.

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

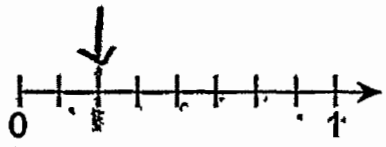
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: $\frac{1}{6}$

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. PLOT a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since $14 < 16$.

C. EXPLAIN the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

Kaylee X 6X2 and 3X4 and got 12 for both. So She thought that was the area.

D. REWRITE Kaylee's claim with the correct comparison of the areas.

in one rectangle She had 14 for her area but the other had 16 So She claims to be wrong

After you have finished your work, close this booklet so your teacher will know you are finished.

STOP

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

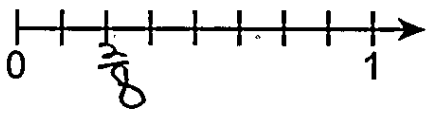
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: 1/5

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. **PLOT** a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

IBMLD4.186387D.DD25

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since 14 < 16.

C. **EXPLAIN** the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

3x4=12, not 14, and 2x6=12, so they're equal to.

D. **REWRITE** Kaylee's claim with the correct comparison of the areas.

The area of the green rectangle is equal to the area of the orange rectangle since 12=12.

After you have finished your work, close this booklet so your teacher will know you are finished.

STOP

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

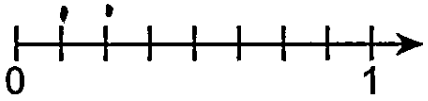
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: $\frac{3}{8}$

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. PLOT a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

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MATHEMATICS SECTION 2

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since 14 < 16.

C. **EXPLAIN** the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

The mistake she did is that she timeds incorretly

D. **REWRITE** Kaylee's claim with the correct comparison of the areas.

That she couldn't do that well on thinking

After you have finished your work, close this booklet so your teacher will know you are finished.

STOP

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

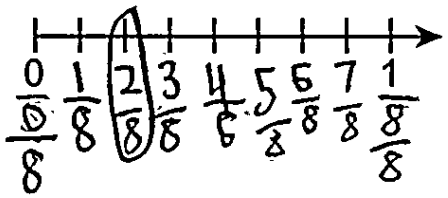
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: $\frac{1}{6}$

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. PLOT a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since 14 < 16.

C. EXPLAIN the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

She had incorect area because a 3 by 4 is 7 and she got 14.

D. REWRITE Kaylee's claim with the correct comparison of the areas.

The answer is 7. because thats a 3by4.

After you have finished your work, close this booklet so your teacher will know you are finished.

STOP

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

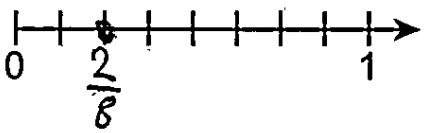
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: 1/6

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. **PLOT** a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since 14 < 16.

C. **EXPLAIN** the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

The mistake Kaylee most likely made when finding the areas was instead of finding the areas she found the perimeters which is 14 for the green rectangle and 16 for the orange rectangle.

D. **REWRITE** Kaylee's claim with the correct comparison of the areas.

The areas of the rectangles are equal because the areas were both 12 inches. I know this because 3×4=12 inches and 2×6=12 inches.

After you have finished your work, close this booklet so your teacher will know you are finished.

STOP

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

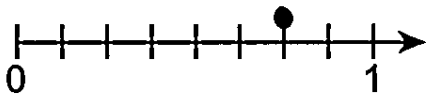
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: whole

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. PLOT a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since 14 < 16.

C. **EXPLAIN** the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

Kaylee made a mistake because he think fourteen is higher then sixteen.

D. **REWRITE** Kaylee's claim with the correct comparison of the areas.

4 inches and six inches

14 < 16

After you have finished your work, close this booklet so your teacher will know you are finished.

STOP

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

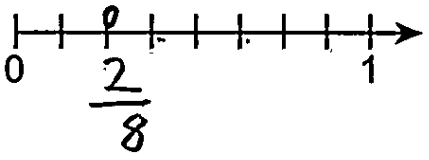
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: $\frac{1}{6}$

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. **PLOT** a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since 14 < 16.

C. **EXPLAIN** the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

The mistake of Kaylee made is that the areas is rage because 3x4=12 and 6x2=12 so they equl 12=12.

D. **REWRITE** Kaylee's claim with the correct comparison of the areas.

The correct is that is equal. 12=12

After you have finished your work, close this booklet so your teacher will know you are finished.

STOP

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

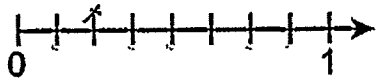
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: red

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. **PLOT** a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



GO ON

MATHEMATICS SECTION 2

51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since $14 < 16$.

C. EXPLAIN the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

Paited the other side

D. REWRITE Kaylee's claim with the correct comparison of the areas.

Did not paint the other side

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

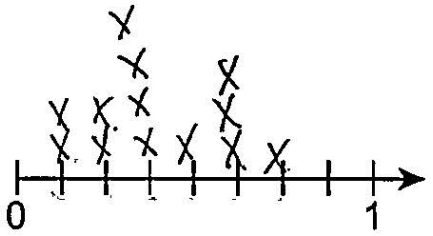
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: 5

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. PLOT a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



51. ***Continued.*** Please refer to the previous page for task explanation.

Kaylee painted a green rectangle and an orange rectangle on her picture.

The green rectangle has side lengths of 3 inches and 4 inches.

The orange rectangle has side lengths of 2 inches and 6 inches.

Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since 14 < 16.

C. EXPLAIN the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

16 iS biger then 14 because 14+2=16. So 16 is larger than 14.

D. REWRITE Kaylee's claim with the correct comparison of the areas.

So 16 iS the biger NuMber.

MATHEMATICS SECTION 2

51. Kaylee is painting a picture for her art class.

Kaylee uses the colors red, yellow, green, orange, blue, and purple.

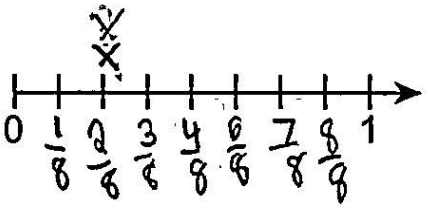
A. Purple is what fraction of Kaylee's colors?

PUT your answer in the **BLANK BELOW.**

Answer: $\frac{1}{6}$

Kaylee paints $\frac{2}{8}$ of her picture with yellow paint.

B. PLOT a point on the number line shown below to represent the fraction of Kaylee's picture that is yellow.



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Kaylee makes the incorrect claim shown below.

> The area of the green rectangle is less than the area of the orange rectangle since $14 < 16$.

C. EXPLAIN the mistake Kaylee **most likely** made when finding the areas of the two rectangles.

The mistake she made was instead bf finding the area she found out the perimeter.

D. REWRITE Kaylee's claim with the correct comparison of the areas.

The area of the green rectangle is the same area as the orange rectangle because 12=12.

PRACTICE SET 2*

Subject: Math **Item: Kaylee Paints** **Grade: 3**

Name_____

Number	Score	Consensus	Notes
P2-1			
P2-2			
P2-3			
P2-4			
P2-5			
P2-6			
P2-7			
P2-8			
P2-9			
P2-10			

*** Responses in this set do not have true scores. Apply scores based on scoring criteria.**