PSSA and Keystone Exams Summer 2023 Workshops

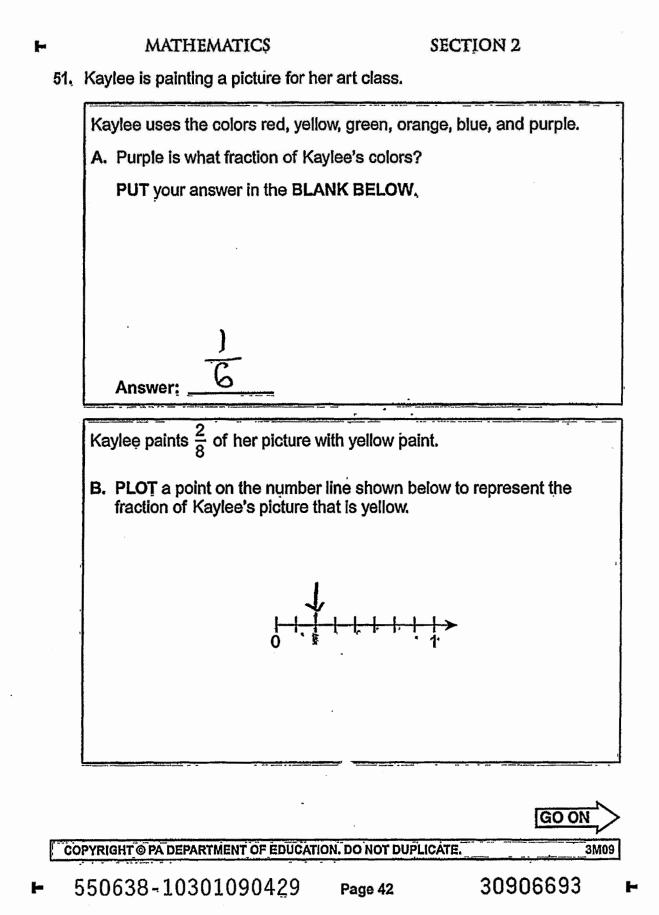
PSSA, Grade 3 Math

Kaylee Paints

Handscoring Practice Set 2^*

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

P2 - 1



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.

OP. War

D. REWRITE Kaylee's claim with the correct comparison of the areas. <u>in one lectoppe She</u> <u>had 14 for her area but the</u> <u>other had 16 So She Chints to be wreny</u>

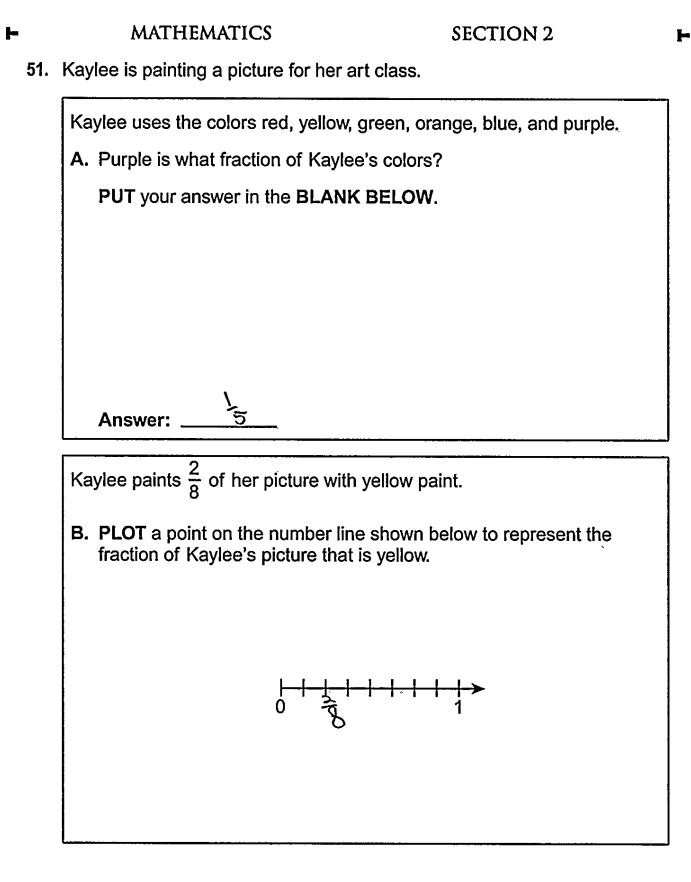
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SECTION 2

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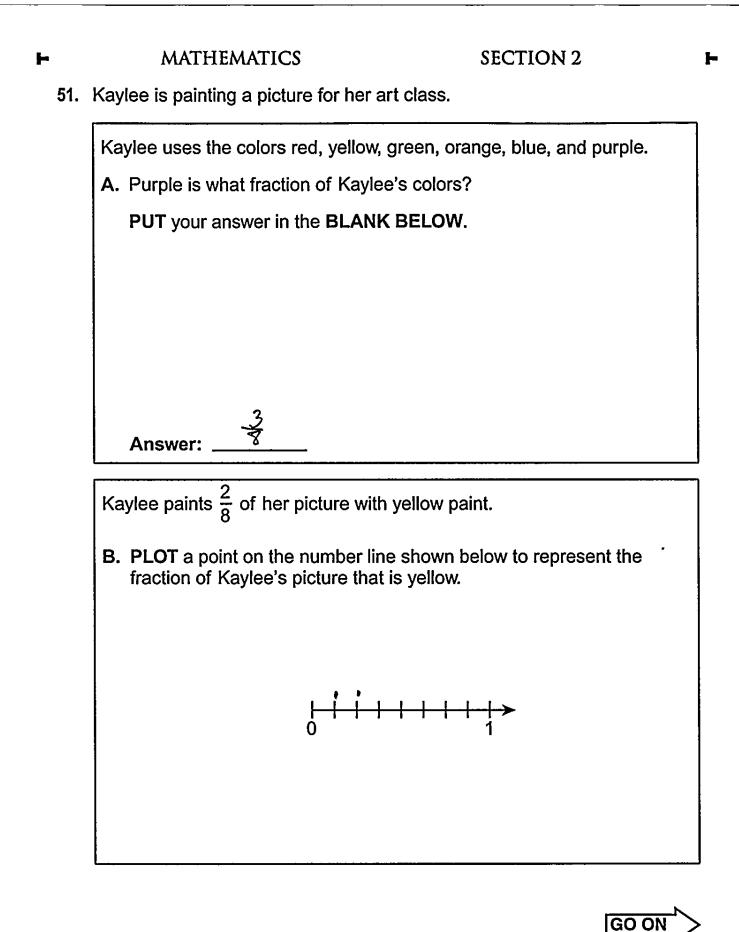
51. *Continued.* Please refer to the previous page for task explanation.

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. 17, and 25 Egual evre **D. REWRITE** Kaylee's claim with the correct comparison of the areas. VLGV reen 1e area of the SINCE ectaria **STOP**

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her picture.

area of the orange rectangle since 14 < 16. C. EXPLAIN the mistake Kaylee most likely made when finding the areas of the two rectangles. mistake she did that she atimeds in correctly 1S D. REWRITE Kaylee's claim with the correct comparison of the areas. she rould'at do hat (Jell 00

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

Kaylee painted a green rectangle and an orange rectangle on

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

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

The area of the green rectangle is less than the

Kaylee makes the incorrect claim shown below.

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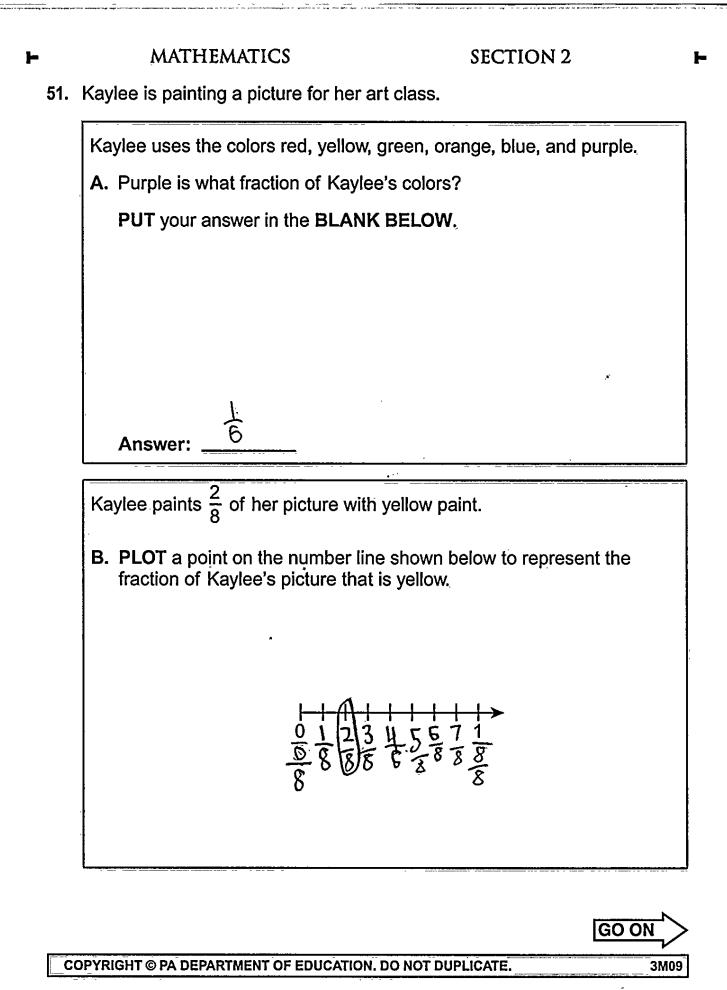
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SECTION 2

PSSA Math: Kaylee Paints (Grade 3); Practice Set 2



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| | MATHEMATICS | SECTION 2 | |
| 51 | . Continued. Please refer to | the previous page for task ex | xplanation. |
| | aylee painted a green rectangle er picture. | e and an orange rectangle or | າ |
| T | he green rectangle has side ler | ngths of 3 inches and 4 inche | es. |
| Ţ | he orange rectangle has side le | engths of 2 inches and 6 incl | ies. |
| к | aylee makes the incorrect clain | n shown below. | |
| | The area of the green area of the orange rec | rectangle is less than the tangle since 14 < 16. | |
| c | EXPLAIN the mistake Kaylee areas of the two rectangles. | e most likely made when find | ding the |
| | She had inco | rect area be | 2014re |
| | à J by 4 15 | > 7 and cl | JC |
| • | got 14. | | |
| | <u> </u> | | |
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| | | | |
| D | . REWRITE Kaylee's claim wit | • | • |
| | The anwiser | is 7. becaus | e thats |
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| | 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. | | | |
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| | | | | |
| | Answer: <u>16</u> | | | |
| | 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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| | $\begin{vmatrix} - & $ | | | |
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SECTION 2

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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 rectanale.

D. REWRITE Kaylee's claim with the correct comparison of the areas. <u>The areas of the rectangles are equal</u> <u>be course the areas were both 12 inches. I know</u> <u>in this because 3x4=12 inches and 2×6 = 12 inches.</u>

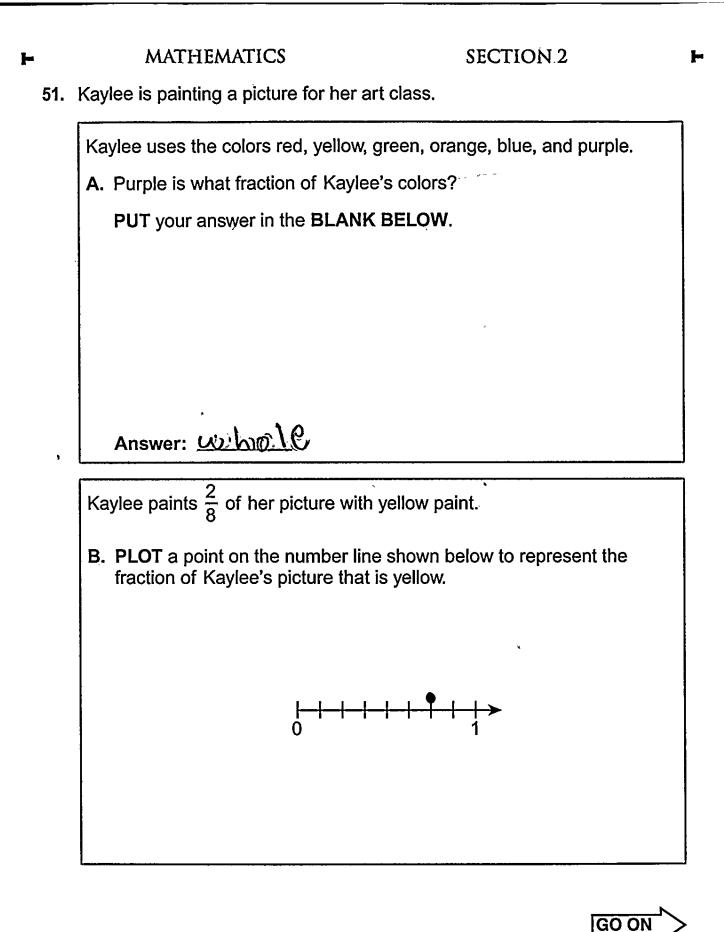
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P2 - 6

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SECTION 2

P2 - 6

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.

Kagle made a mistake becake he thènik fourteen is higher then Six +tron

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

Finches and six inches 14 216

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

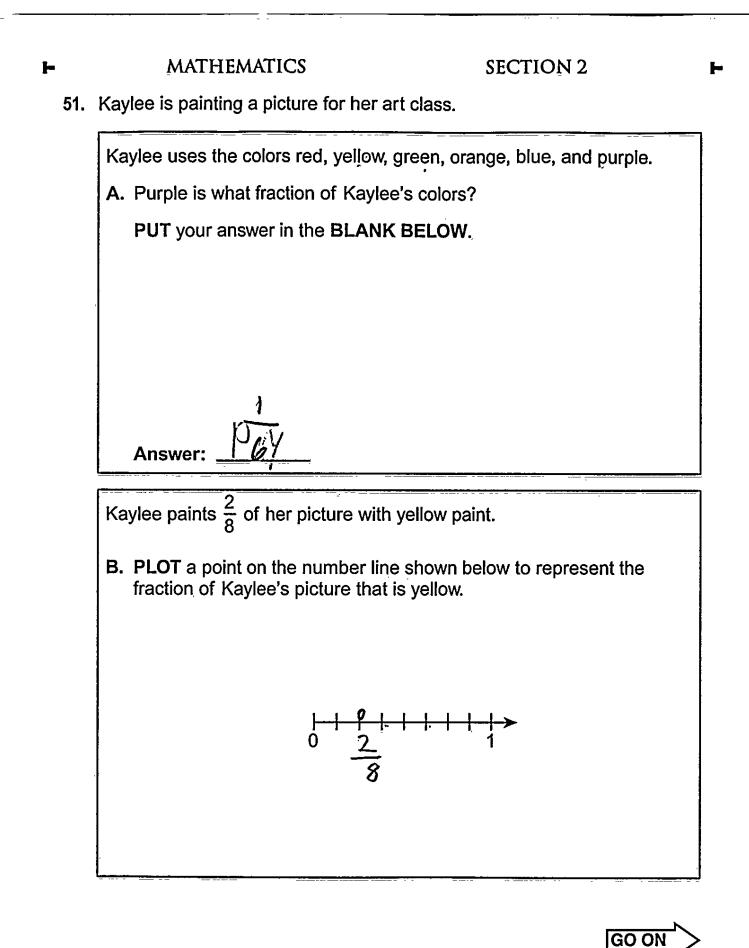


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| $\frac{3\times 4 \geq 0}{294} \frac{3\times 4 \geq 0}{12 \geq 12} \frac{50 + hcy}{294}$ $\frac{C94}{12 \geq 12}$ D. REWRITE Kaylee's claim with the correct comparison of the areas $\frac{Thc}{29404} \frac{12 \geq 12}{12 \geq 12}$ | MLI | 24. 1874 174.0038 MATHEMATICS | SECTION 2 |
|--|-------------|----------------------------------|------------------------------------|
| 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 mistalse of tayle not likely made when finding the areas of the two rectangles. The mistalse of tayle not likely made when finding the areas of the two rectangles. The mistalse of tayle not take tayle not likely made when finding the areas of the two rectangles. The mistalse of tayle not take tayle not take tayle is that the dream is not not not not not not not not not not | 51. | Continued. Please refer to the | previous page for task explanation |
| 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 mistalize of Isayl ce nate is that the dreas is rage because 3xy=10 and 6x2=12 So they Cqui 12=12. D. REWRITE Kaylee's claim with the correct comparison of the areas The correct is that is equal. 12=12. | | | d an orange rectangle on |
| 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 mistalre of kaylee nade is that the dreas is roge because is that the dreas is roge because is may be and by 2=12. So they cause is may be and by 2=12. So they cause is the two rectangles is reader is that is correct comparison of the areas The correct is that is could be areas is comparison of the areas is comparison. | The | green rectangle has side lengths | of 3 inches and 4 inches. |
| 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. <u>The mistake of kaylee nate is that</u> <u>the areas of the two rectangles.</u> <u>The mistake of kaylee nate is that</u> <u>the areas of the two rectangles.</u> <u>The areas of the two rectangles.</u> <u>3xy=12 and 6x2=12 So they</u> <u>equilized to the two formers of the areas</u> <u>The correct is that is</u> <u>equil. 12=12</u> | The | orange rectangle has side lengt | ns of 2 inches and 6 inches. |
| area of the orange rectangle since 14 < 16. C. EXPLAIN the mistake Kaylee most likely made when finding the areas of the two rectangles. <u>The mistalse of kaylee nate is that</u> <u>the dreas is rage because</u> <u>3xy=15 and 6x2=12 So they</u> <u>Cqy1 12=12</u> . D. REWRITE Kaylee's claim with the correct comparison of the areas <u>The correct is that is</u> <u>Cqy1. 12=12</u> . | Kayl | ee makes the incorrect claim she | own below. |
| areas of the two rectangles. <u>The mistalize of kaylee nate is that</u> <u>the areas is roge because</u> <u>3xy=10 and 6x2=12 So they</u> <u>cqu1 12=12</u> . D. REWRITE Kaylee's claim with the correct comparison of the areas <u>The correct is that is</u> <u>equal</u> . 12=12 | | | |
| the areas is rage because 3xy=12 and $6x2=12$ so they equi 12=12. D. REWRITE Kaylee's claim with the correct comparison of the areas The correct is that is equal. 12=12. | | • | st likely made when finding the |
| $\frac{3\times 4\times 2}{29} an2 6\times 2 = 12 50 thCY$ $C941 12 = 12.$ D. REWRITE Kaylee's claim with the correct comparison of the areas $\frac{TMC}{C0} = \frac{1}{12} = \frac{1}{12}$ | - | | caylee node is that |
| Cqui $D=12$, D. REWRITE Kaylee's claim with the correct comparison of the areas TMC correct is that is Cqual. 12=12 | = | the areas is | roge because |
| D. REWRITE Kaylee's claim with the correct comparison of the areas $\frac{TMC}{CO((ect))^{2}} + \frac{1}{12} + \frac{1}{$ | _ | 3×4=12 and 62 | =2=12 50 they |
| D. REWRITE Kaylee's claim with the correct comparison of the areas $\frac{TMC}{CO((ect))^{2}} + \frac{1}{12} + \frac{1}{$ | | Caul 12.212. | • |
| The correct is that is equal. 12=12 | | | |
| The correct is that is equal. 12=12 | | | |
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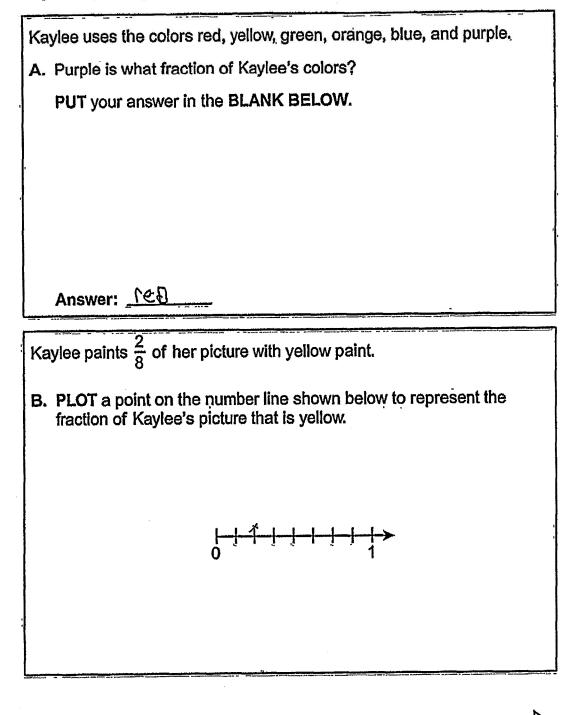
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MATHEMATICS

SECTION 2

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



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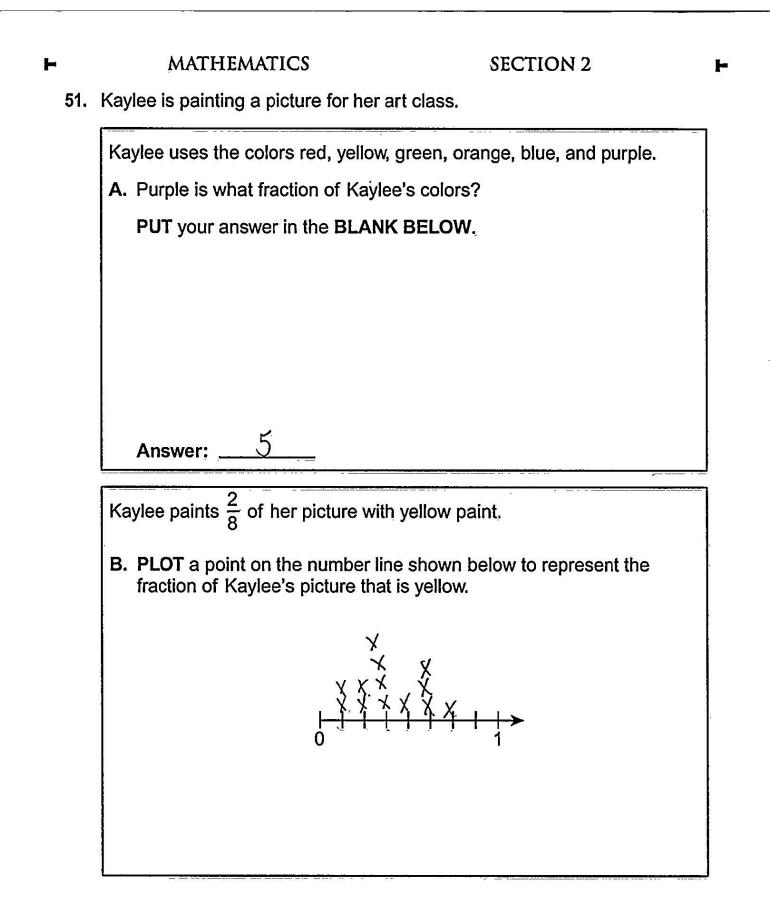
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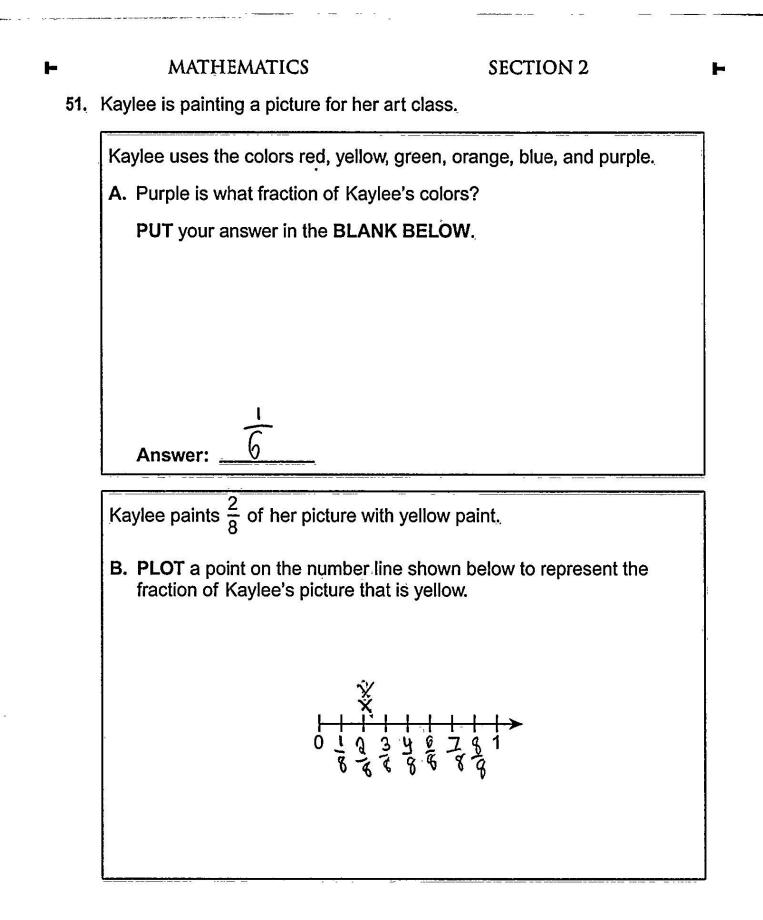
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| 5 | 1. Continued. Please refer to the | he previous page for task explanation. |
| | Kaylee painted a green rectangle ner picture. | and an orange rectangle on |
| | The green rectangle has side leng | oths of 3 inches and 4 inches, |
| | The orange rectangle has side ler | ngths of 2 inches and 6 inches. |
| | Kaylee makes the incorrect claim | shown below. |
| | The area of the green rectangle area of the orange rectangle | ectangle is less than the angle since 14 < 16. |
| | areas of the two rectangles. | most likely made when finding the |
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| | | the correct comparison of the areas. |
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| | 51. | Continued. Please refer to | the previous page for task explanation. | |
| | 678 | lee painted a green rectangl picture. | e and an orange rectangle on | |
| | The | green rectangle has side lei | ngths of 3 inches and 4 inches. | |
| | The | orange rectangle has side le | engths of 2 inches and 6 inches. | |
| | Kay | lee makes the incorrect clair | n shown below. | |
| | | The area of the green area of the orange rec | rectangle is less than the tangle since $14 < 16$. | 2 |
| | | EXPLAIN the mistake Kayles areas of the two rectangles. | e most likely made when finding the | |
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| | | 16 is lorger than 14. | | |
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| | D. | REWRITE Kaylee's claim with SO 16 / S AUMBER | h the correct comparison of the areas. The biger | |
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PSSA Math: Kaylee Paints (Grade 3); Practice Set 2



P2 - 10

IBML21.1889398.0060 **SECTION 2** F MATHEMATICS Continued. Please refer to the previous page for task explanation. 51. 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. bf the mistake she made was instead finding the area she found ont the perimeter. D. REWRITE Kaylee's claim with the correct comparison of the areas. The area of the green nectangle the 15 area as the orange rectangle because Same 12=10.

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PRACTICE SET 2*

Subject: Math Item: Kaylee Paints

Grade:3

Name______

| Number | Score | Consensus | Notes |
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| P2 -10 | | | |

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