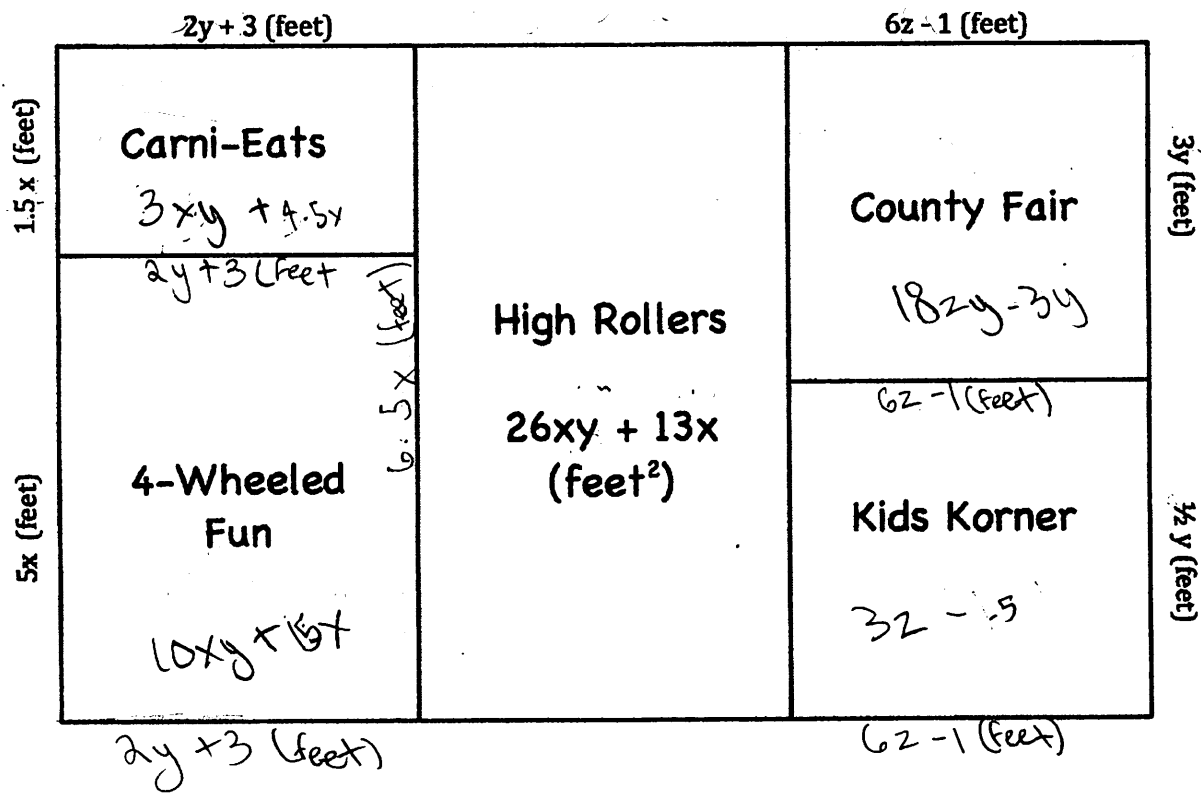


Classwork:

Directions: The carnival is given a rectangular area to set up at the local rodeo. There will be sections for kids (called Kids Korner), traditional fair rides (called the County Fair), high rides (called High Rollers), car and truck rides (called 4-wheeled fun) and a food court (called Carni-eats). His plan for the layout in feet is shown in the figure below. Use this figure; your knowledge of polynomials; the distributive property; and area to write an expression that best represents each of the missing area or length in the diagram below.

You must convince me that each of your answers is correct.



$$6.5$$

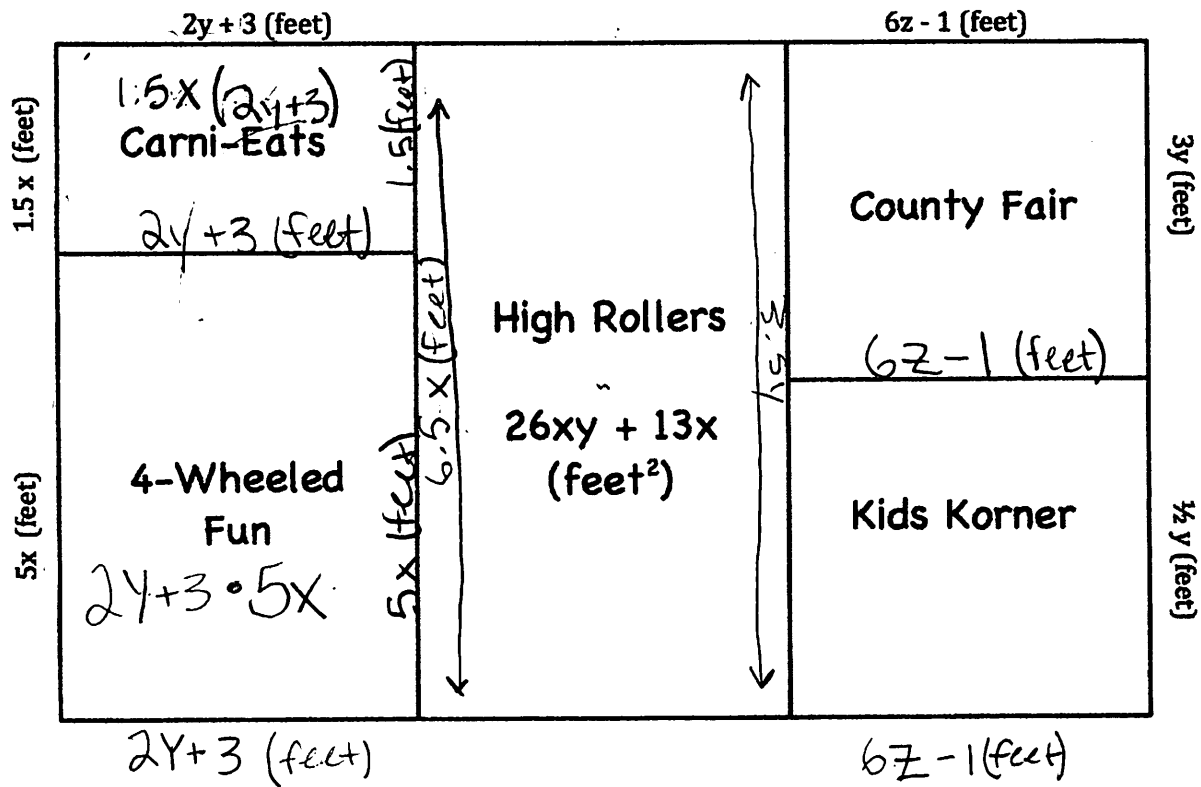
$$\times 2$$

$$\begin{array}{r}
 1 \\
 \times 6.5x \\
 \hline
 3.5 \\
 32.5 \\
 \hline
 19.56 \\
 \hline
 1281
 \end{array}$$

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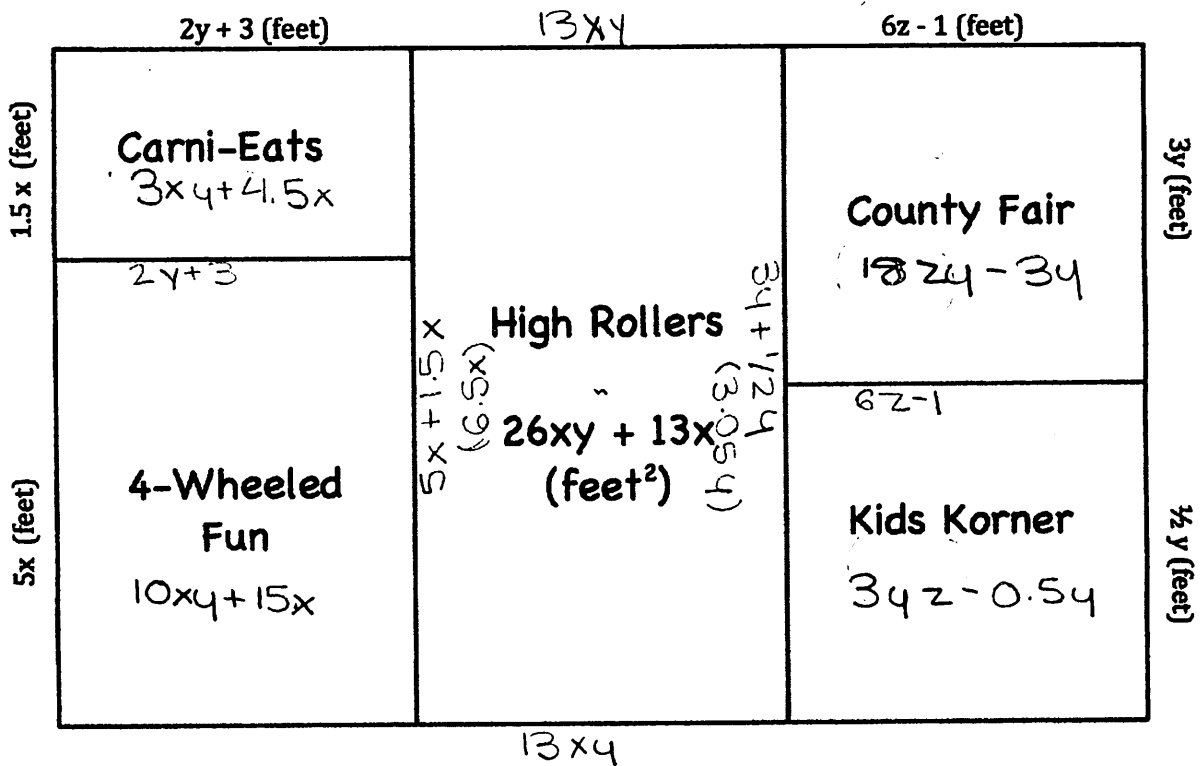
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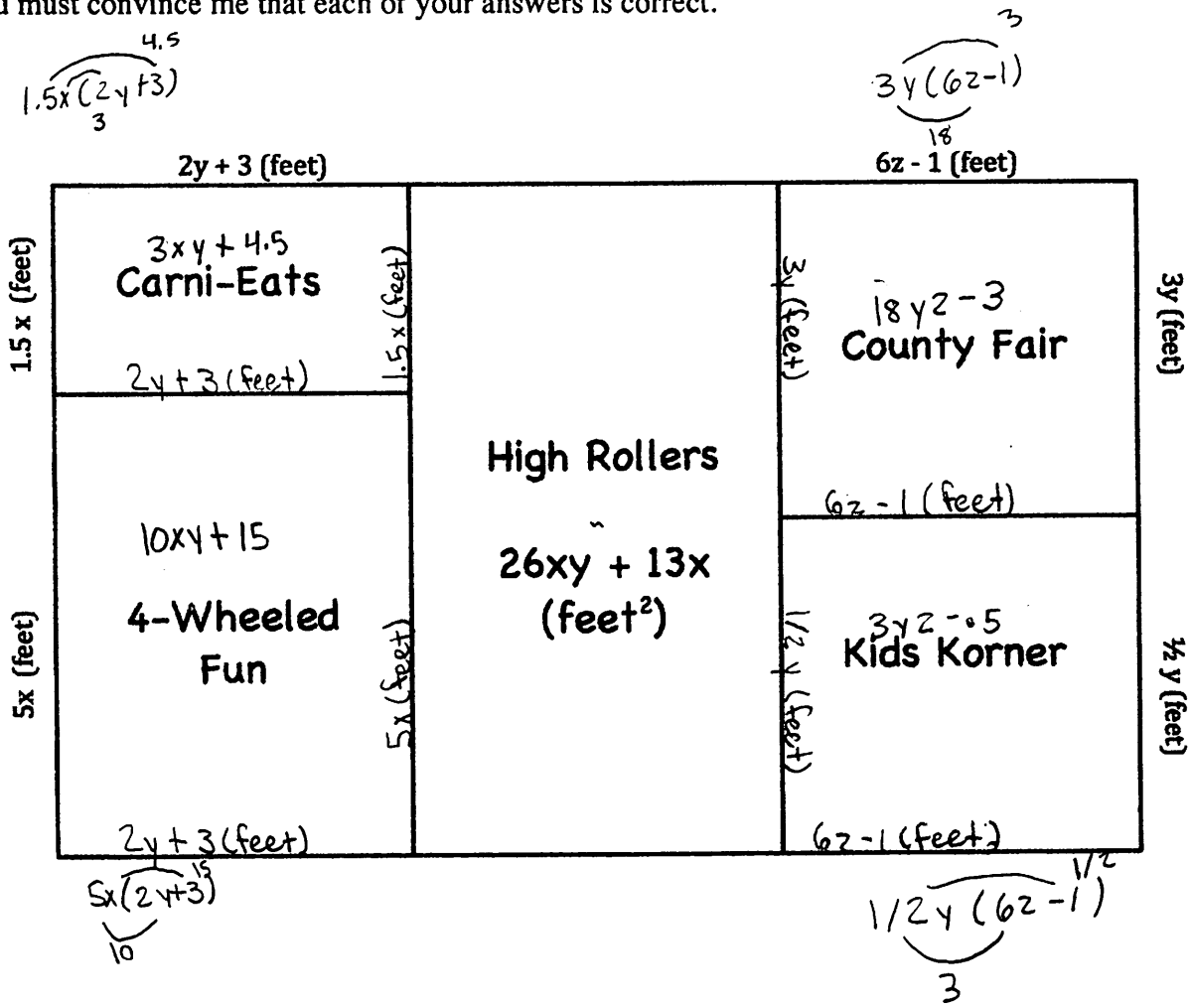
You must convince me that each of your answers is correct.



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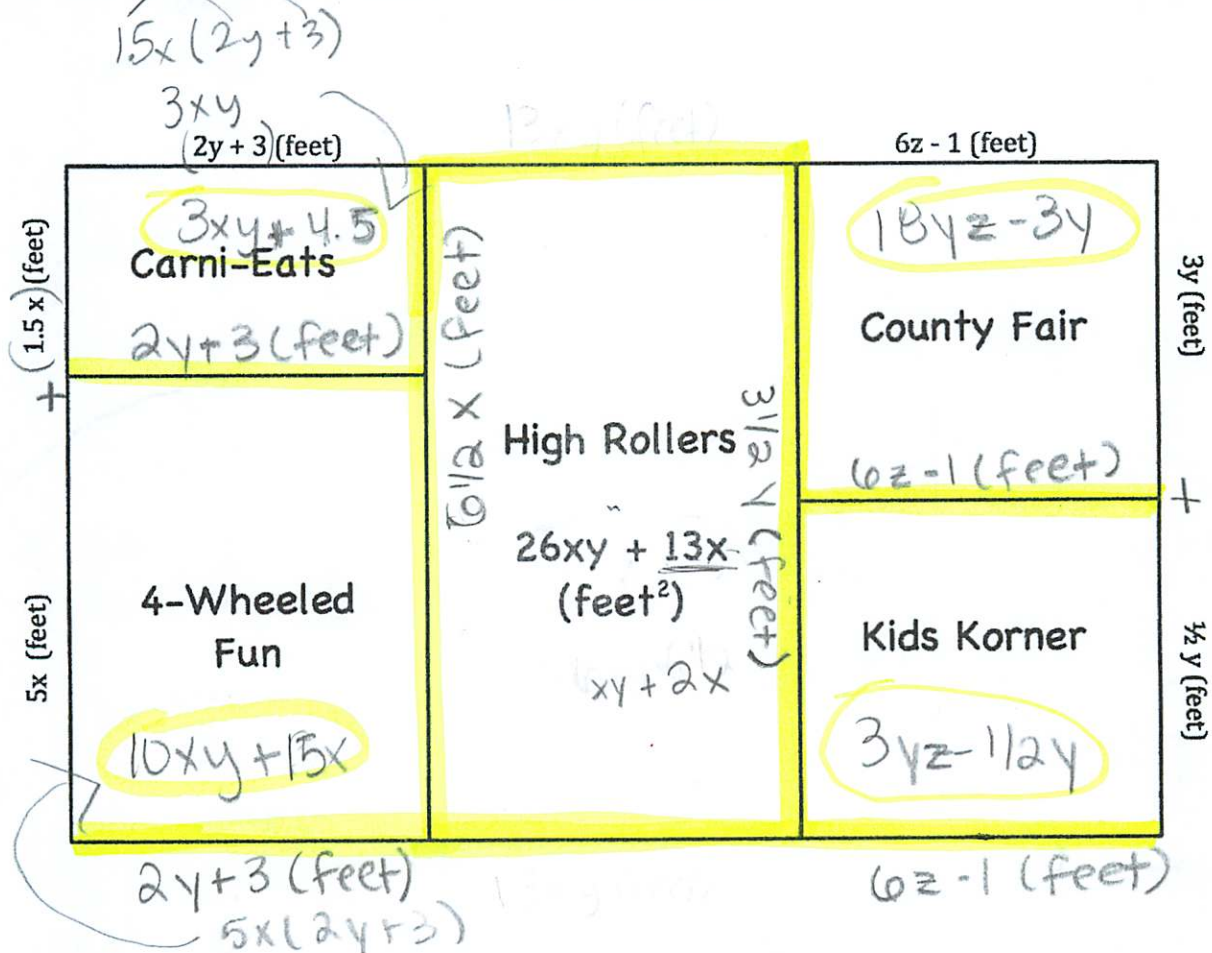
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You must convince me that each of your answers is correct.



- $6\frac{1}{2}x$ is the same as $3\frac{1}{2}y$

- $2y+3$ is the same as $6z-1$

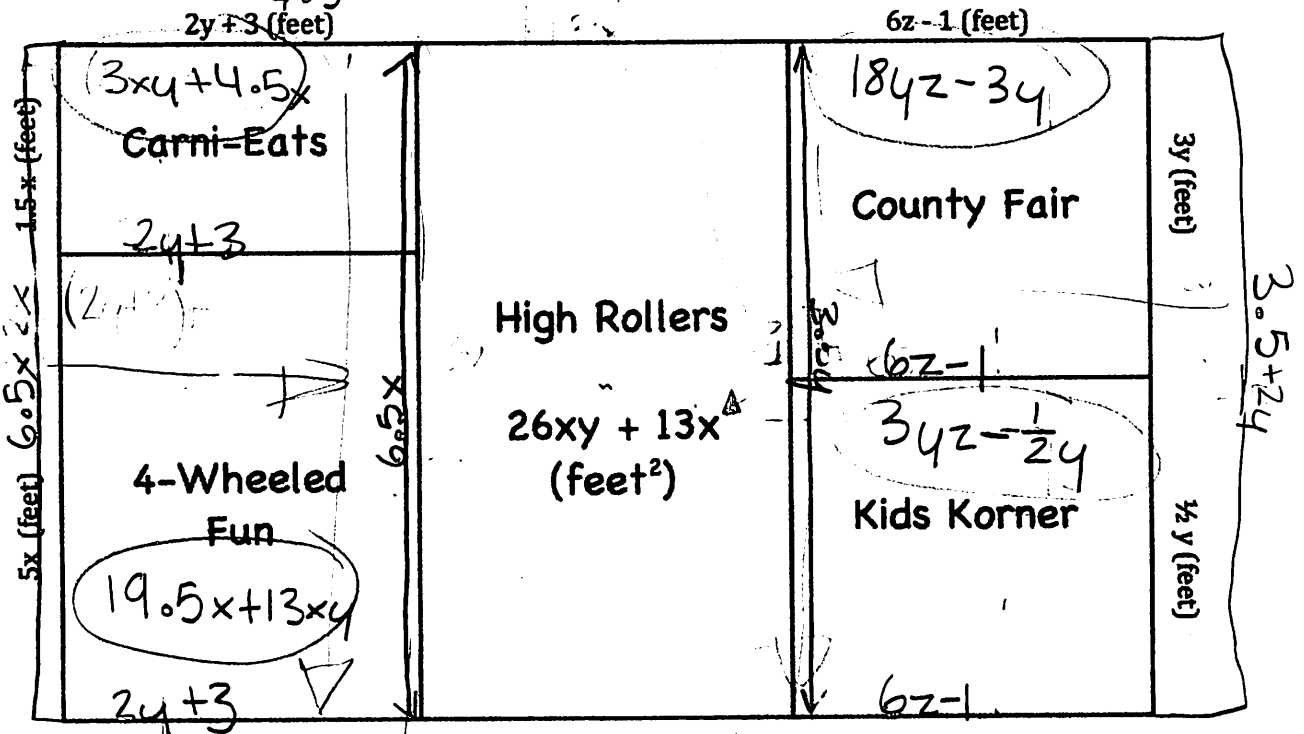
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$$*(6.5x)2 = 13x$$

You must convince me that each of your answers is correct.

$$(1.5x)(2y+3) \begin{array}{r} 1.5 \\ 3 \\ \hline 4.5 \end{array}$$



$$6.5x + 3.5y$$

$$(6z-1)3y$$

$$18yz - 3y$$

$$(6z-1)\frac{1}{2}y$$

$$3yz - \frac{1}{2}y^2$$

$$6.5x(2y+3)$$

$$19.5x + 13xy$$

$$\begin{array}{r} 6.5 \\ 3 \\ \hline 19.5 \end{array}$$

Want: 26

• $(3.5)8 = 28$

• $(3.5)7.5 = 26.25$

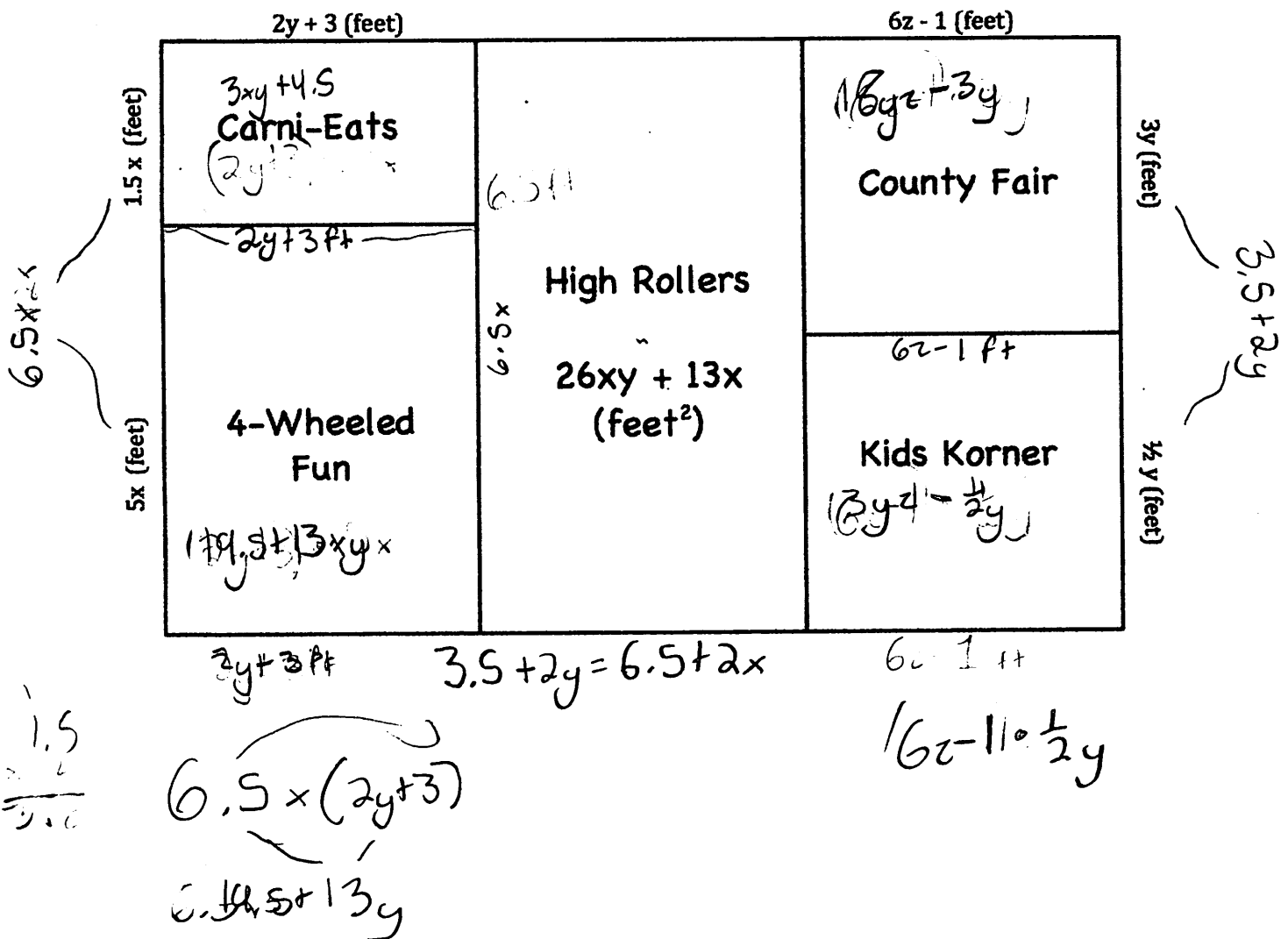
• $(3.5)7 = 24.5$

Classwork:

Directions: The carnival is given a rectangular area to set up at the local rodeo. There will be sections for kids (called Kids Korner), traditional fair rides (called the County Fair), high rides (called High Rollers), car and truck rides (called 4-wheeled fun) and a food court (called Carni-eats). His plan for the layout in feet is shown in the figure below. Use this figure; your knowledge of polynomials; the distributive property; and area to write an expression that best represents each of the missing area or length in the diagram below.

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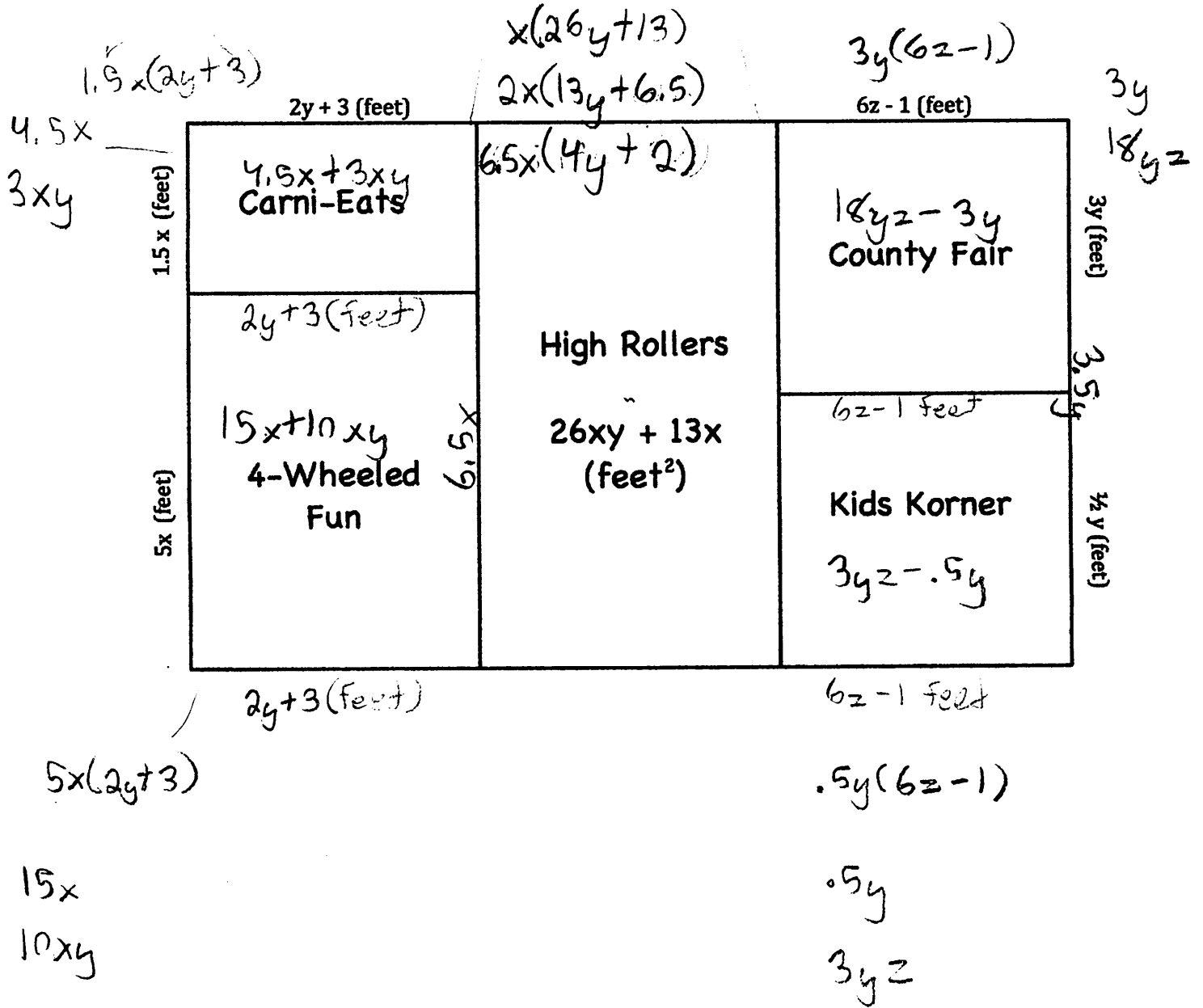
$$3y \cdot 6z - 1$$



Classwork:

Directions: The carnival is given a rectangular area to set up at the local rodeo. There will be sections for kids (called Kids Korner), traditional fair rides (called the County Fair), high rides (called High Rollers), car and truck rides (called 4-wheeled fun) and a food court (called Carni-eats). His plan for the layout in feet is shown in the figure below. Use this figure; your knowledge of polynomials; the distributive property; and area to write an expression that best represents each of the missing area or length in the diagram below.

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Classwork:

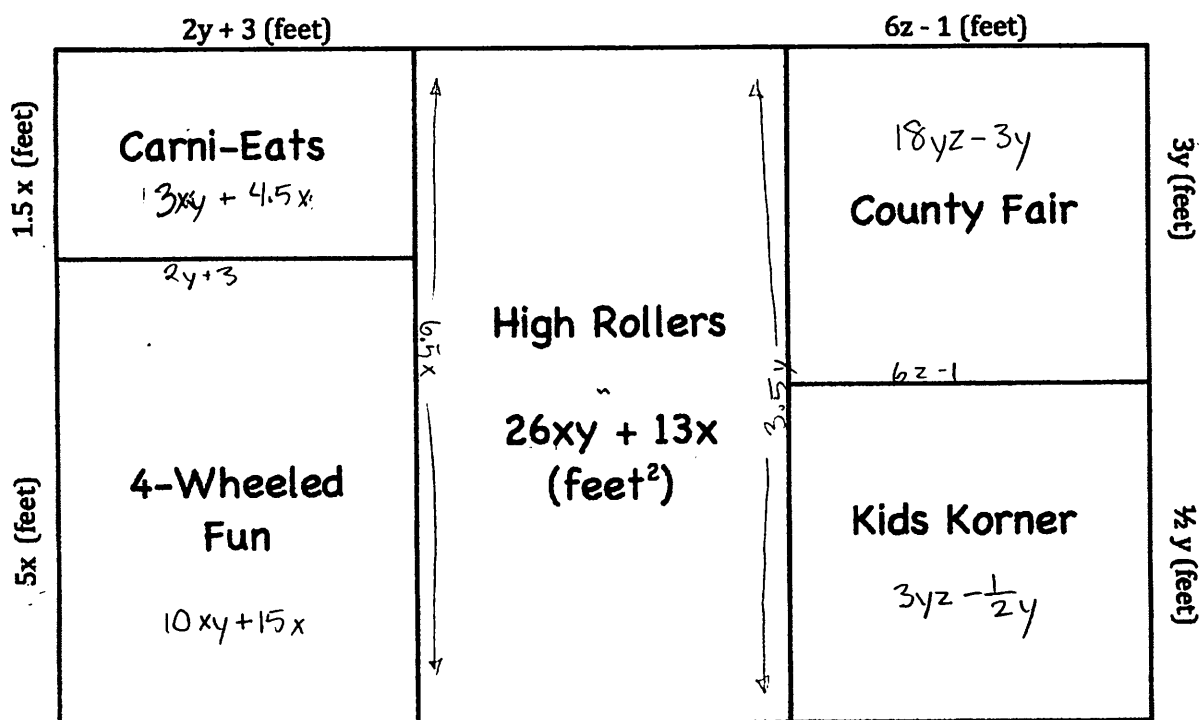
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You must convince me that each of your answers is correct.

$$1.5x(2y+3)$$

$$x \cdot y$$

$$3y(6z-1)$$



$$5x(2y+3)$$

$$\frac{1}{2}y(6z-1)$$

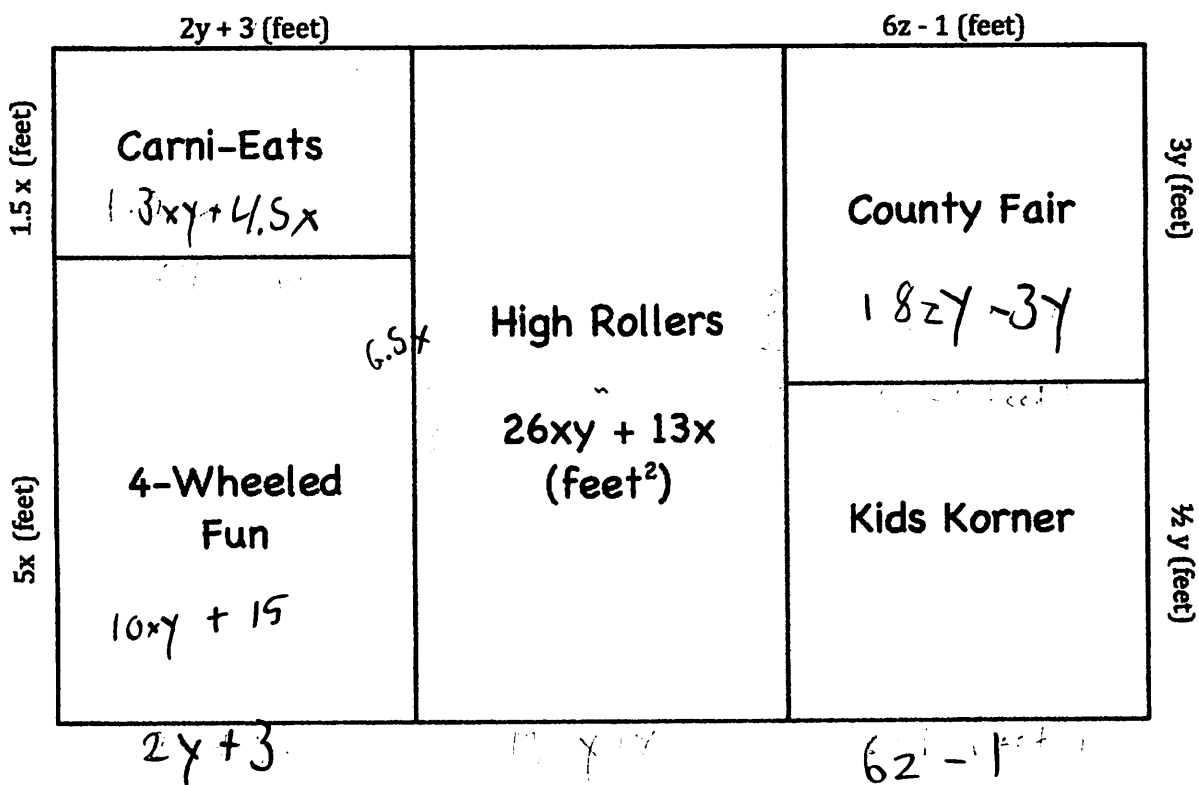
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You must convince me that each of your answers is correct.

$$1.5x(2y+3)$$

$$3y(6z-1) = 18zy$$

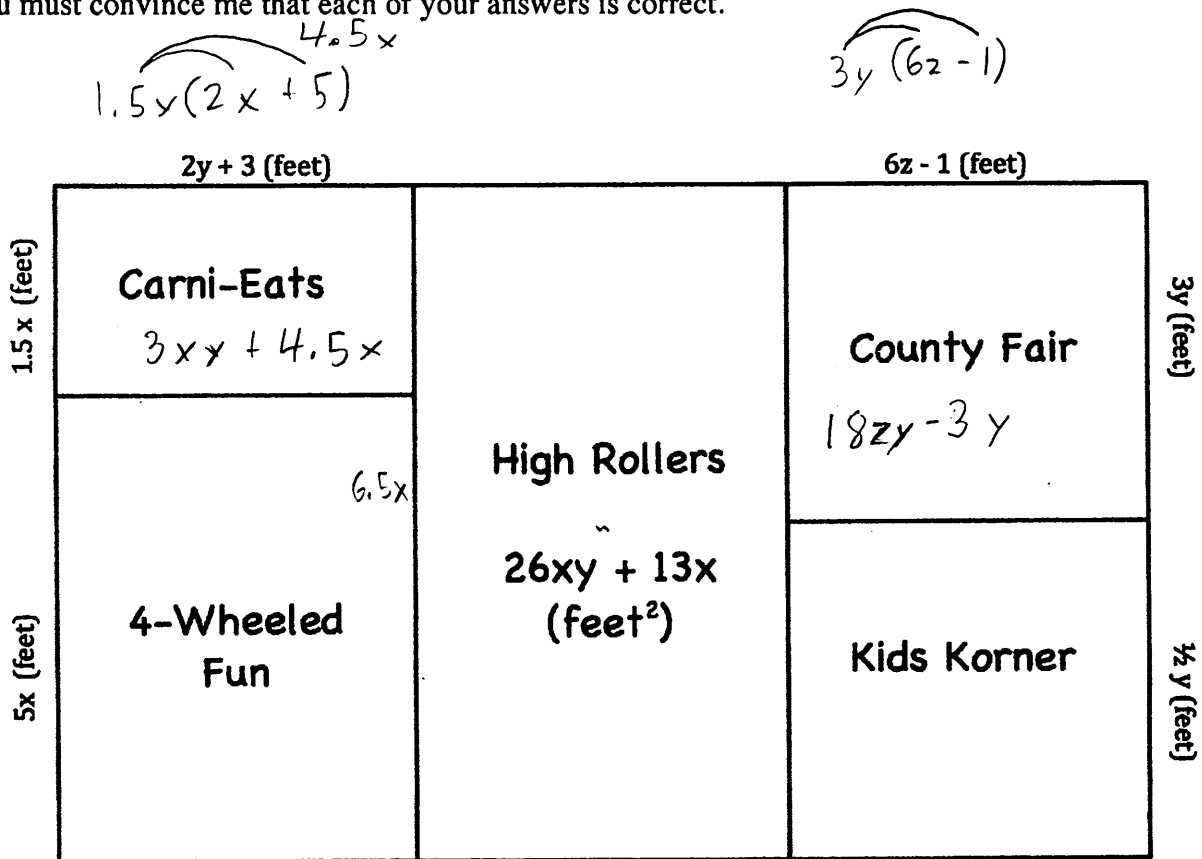


$$5x(2y+3) = 10xy + 15$$

Classwork:

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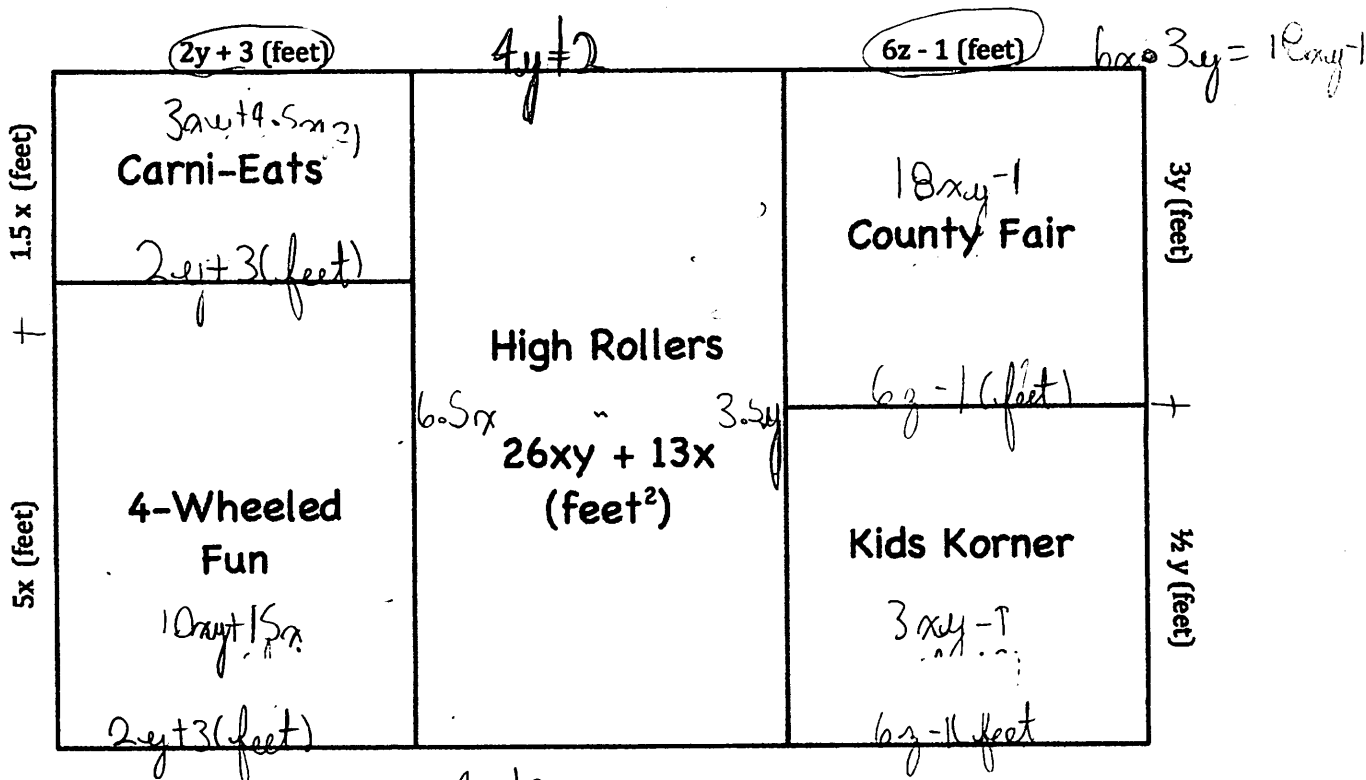


$$\frac{26xy + 13x}{6.5x}$$

Classwork:

Directions: The carnival is given a rectangular area to set up at the local rodeo. There will be sections for kids (called Kids Korner), traditional fair rides (called the County Fair), high rides (called High Rollers), car and truck rides (called 4-wheeled fun) and a food court (called Carni-eats). His plan for the layout in feet is shown in the figure below. Use this figure; your knowledge of polynomials; the distributive property; and area to write an expression that best represents each of the missing area or length in the diagram below.

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$$5x(2y+3)$$

$$10xy + 15x$$

$$3.5y = 6.5x$$

$$1.75y = 3.25x$$

$$\begin{array}{r} 1.75 \\ 2 \overline{) 3.5} \\ \underline{3.5} \\ 0 \end{array}$$

$$\begin{array}{r} 2.95 \\ 2 \overline{) 6.500} \\ \underline{5.80} \\ 700 \\ \underline{700} \\ 0 \end{array}$$

$$65 \overline{) 3500}$$

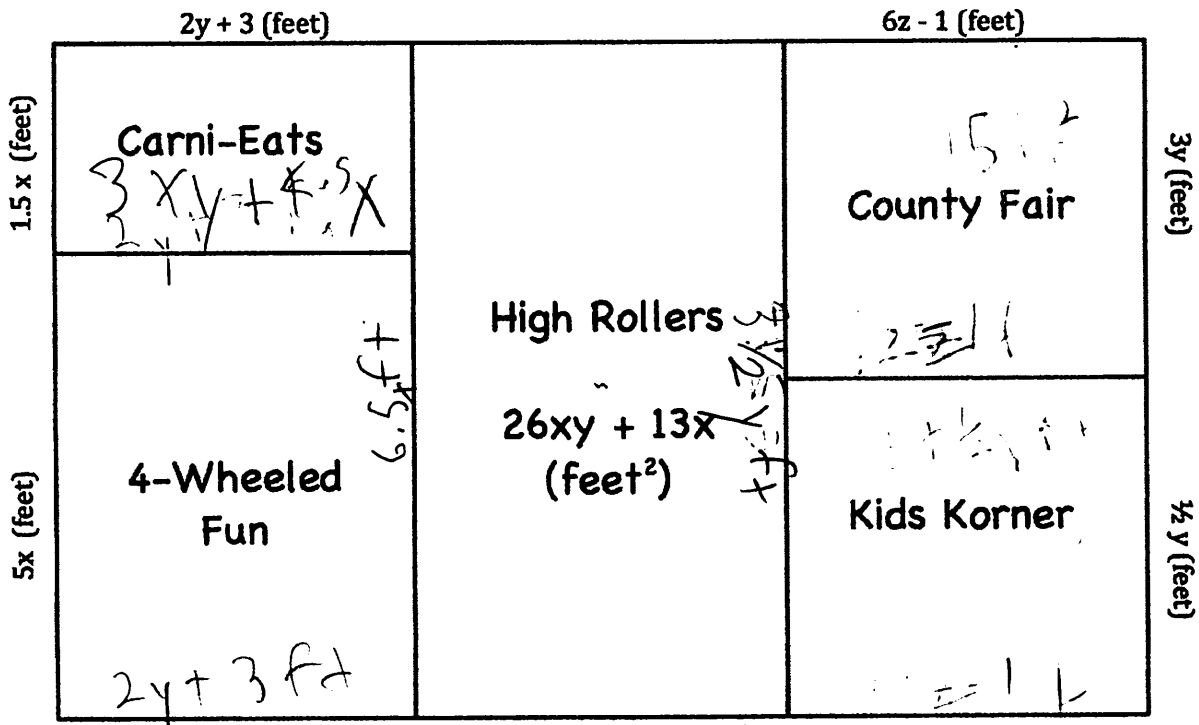
$$65 \quad 130 \quad 195$$

$$260 \quad 325$$

Classwork:

Directions: The carnival is given a rectangular area to set up at the local rodeo. There will be sections for kids (called Kids Korner), traditional fair rides (called the County Fair), high rides (called High Rollers), car and truck rides (called 4-wheeled fun) and a food court (called Carni-eats). His plan for the layout in feet is shown in the figure below. Use this figure; your knowledge of polynomials; the distributive property; and area to write an expression that best represents each of the missing area or length in the diagram below.

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$$1y = x^2$$

$$\begin{array}{r} 87.5 \\ 57.5 \\ \hline 175 \end{array}$$

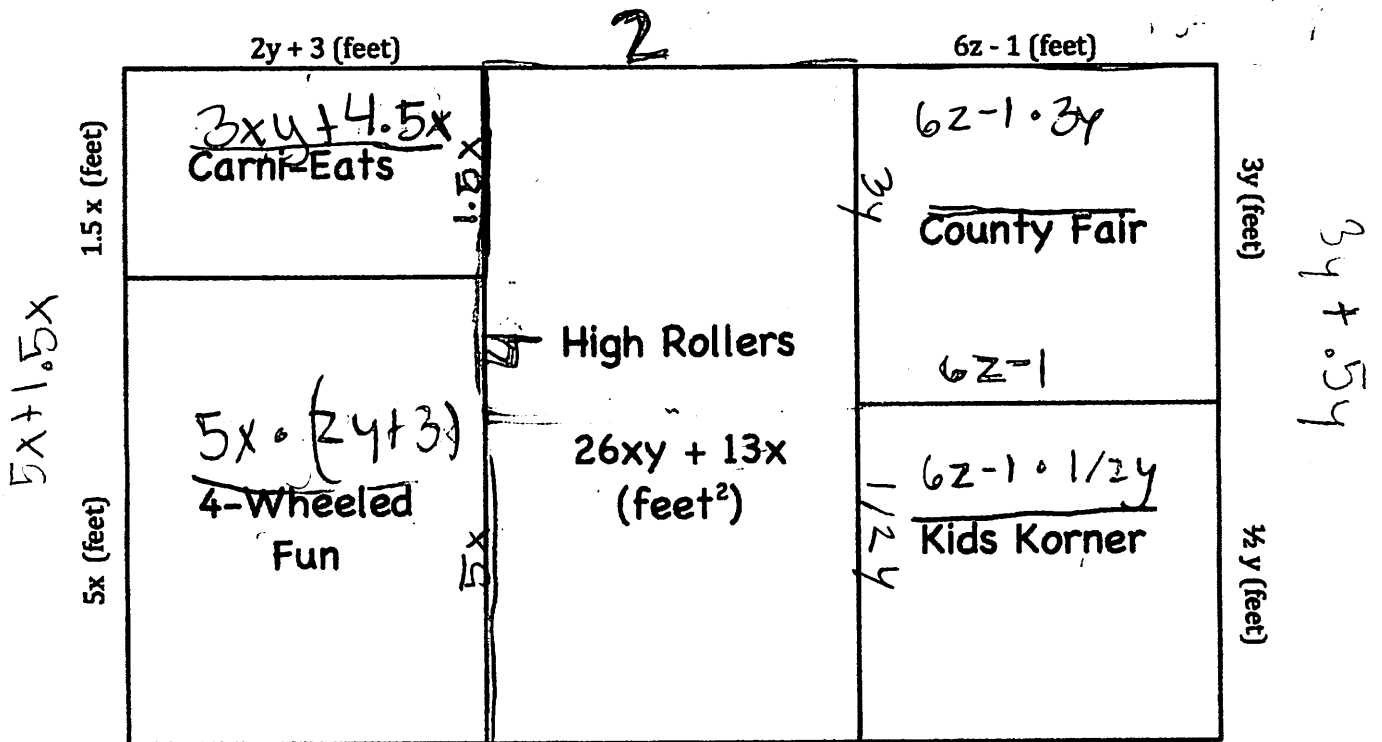
$$87.5y = 1$$

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$$1.5 \times (2y + 3)$$



Handwritten calculations:

$$5(2y + 3) = 10xy + 15$$

$$26xy + 13x$$

Handwritten circled expression:

$$2x + 4xy$$

Handwritten calculations:

$$26xy - 6.5 = 4xy$$

$$13x \div 6.5 = 2x$$

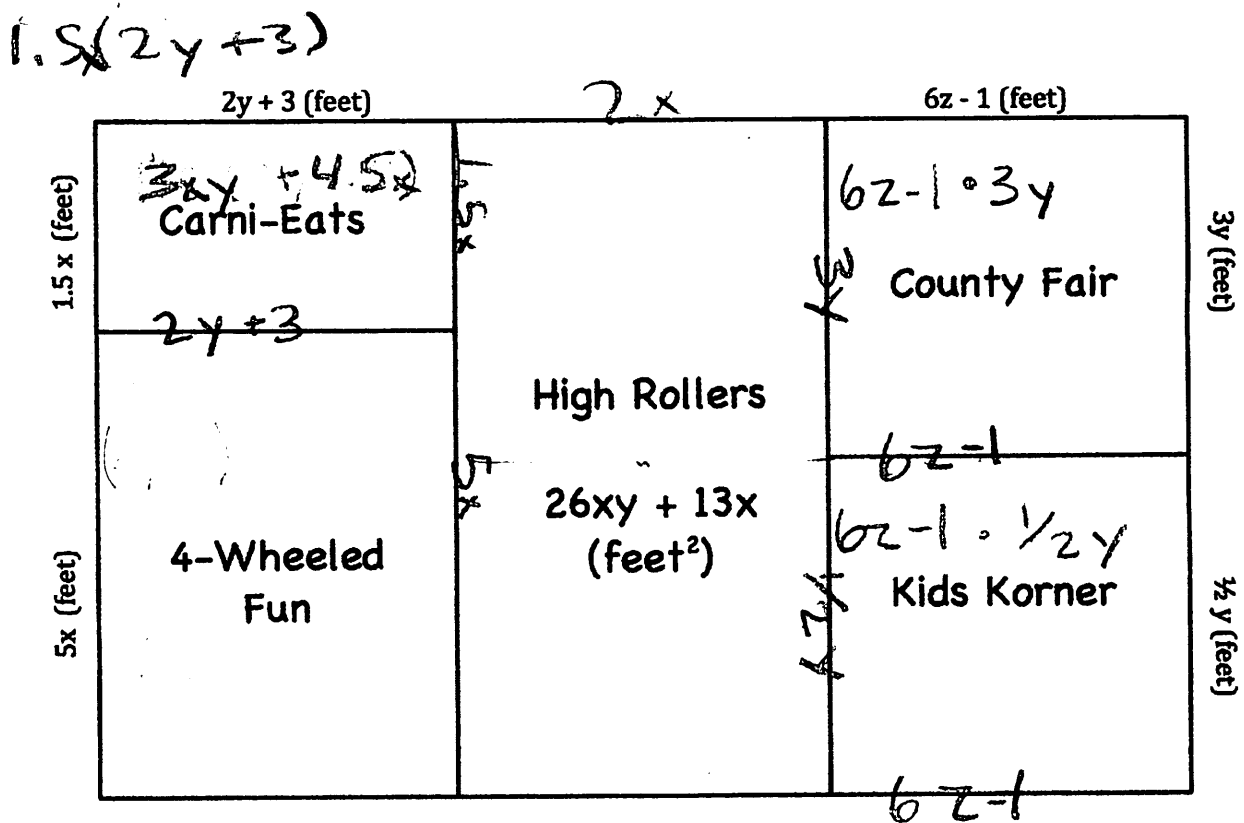
Handwritten calculations:

$$\begin{array}{r} \sim \\ 6.5 \\ \times 4 \\ \hline 260 \end{array}$$

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$$(2y+3)5x = 10xy + 15x$$

$$6.5x(2y+4) = 26xy + 13x = 39xy$$

$$6.5x \cdot$$

$$6.5 \quad 2x + 4xy$$

$$\vee$$

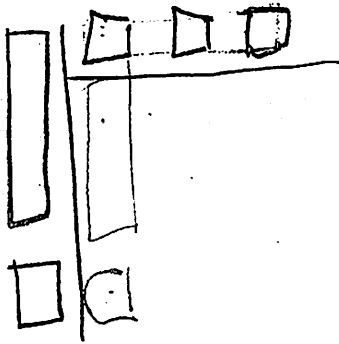
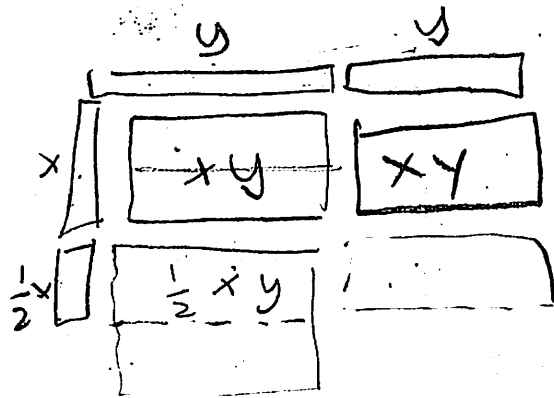
$$13 \quad 2$$

$$6.5 \div 26xy = 4$$

$$6.5 \div 13 = 2$$

$$6.5x \cdot 4 = 26xy$$

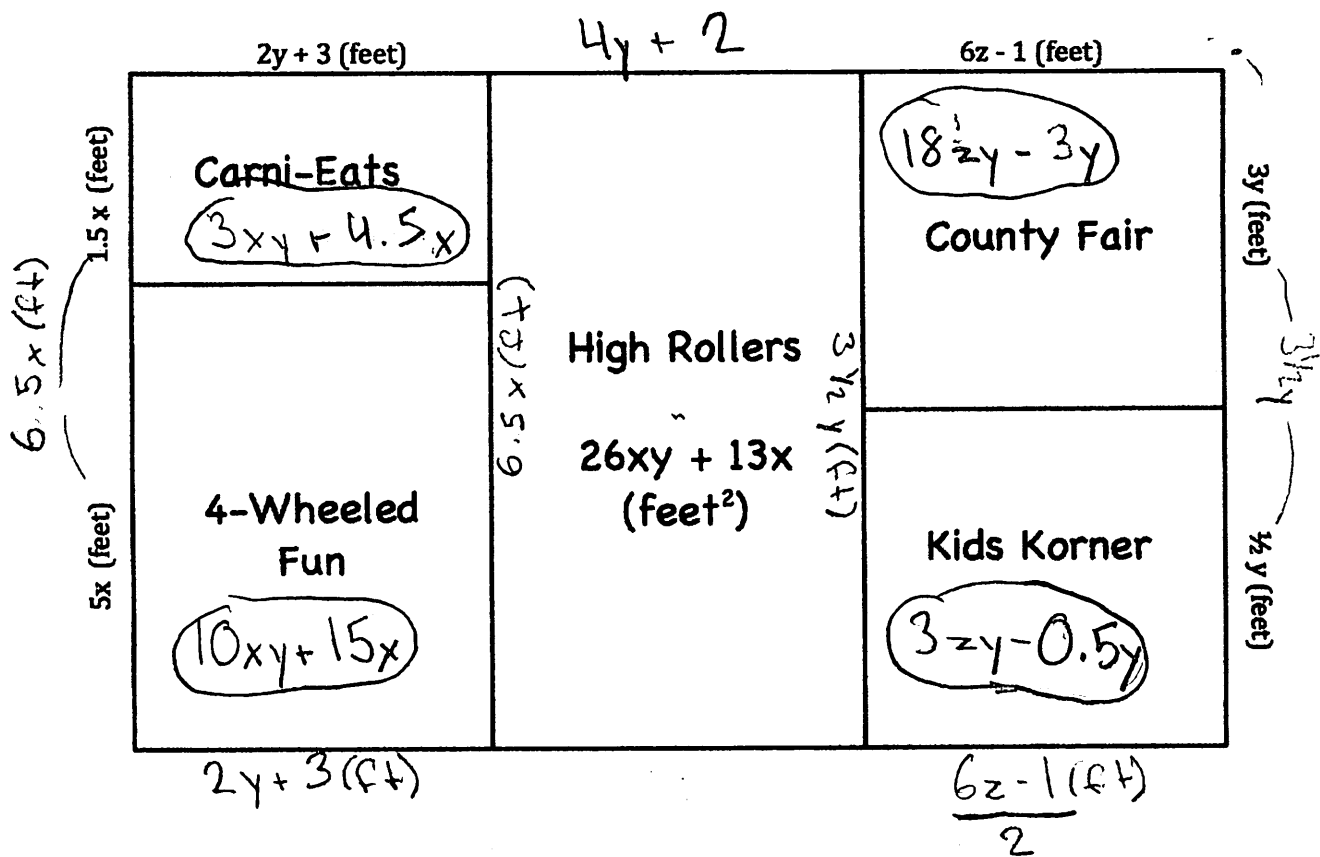
$$6.5x \cdot 2 = 13x$$



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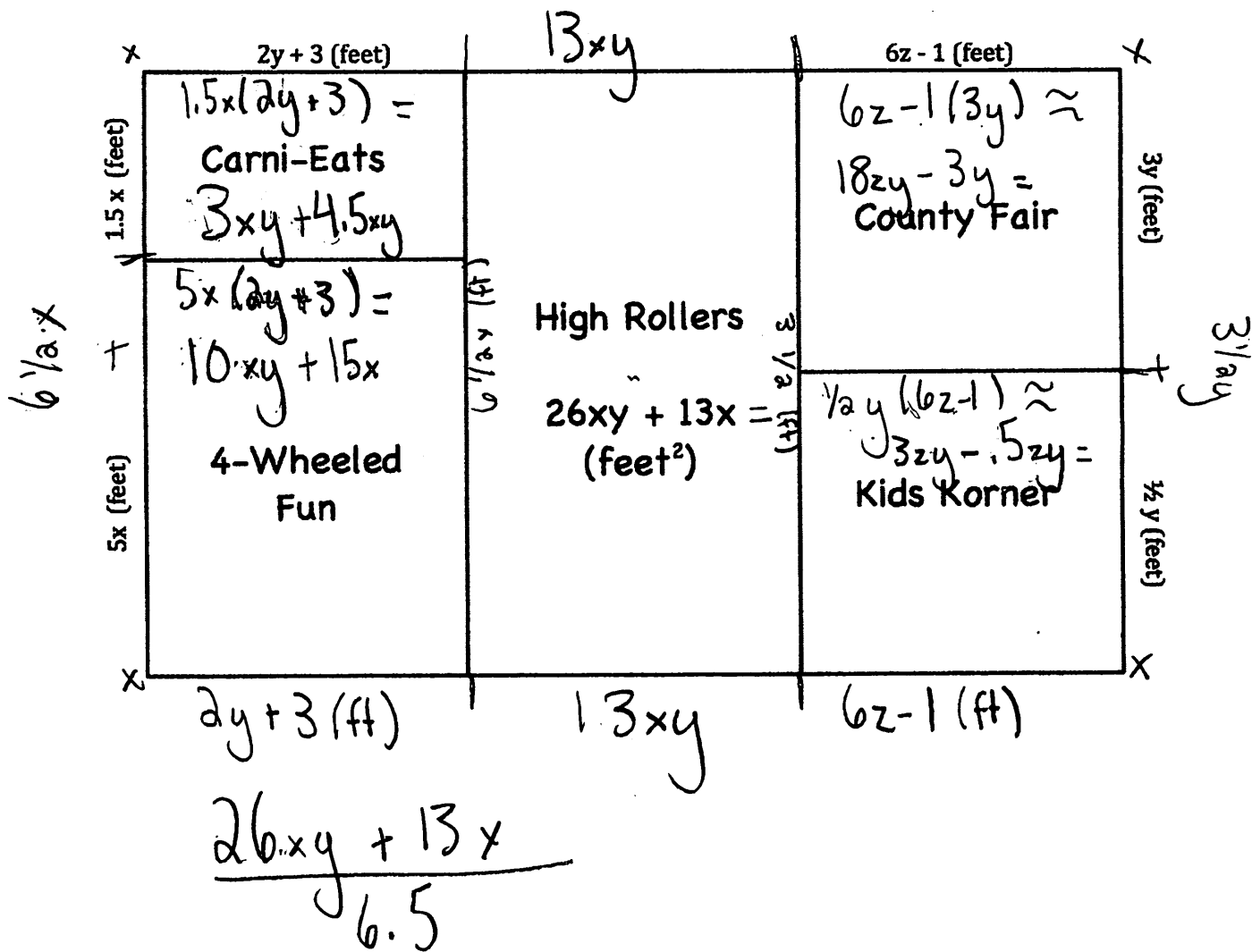


$$6.5x = 3\frac{1}{2}y$$

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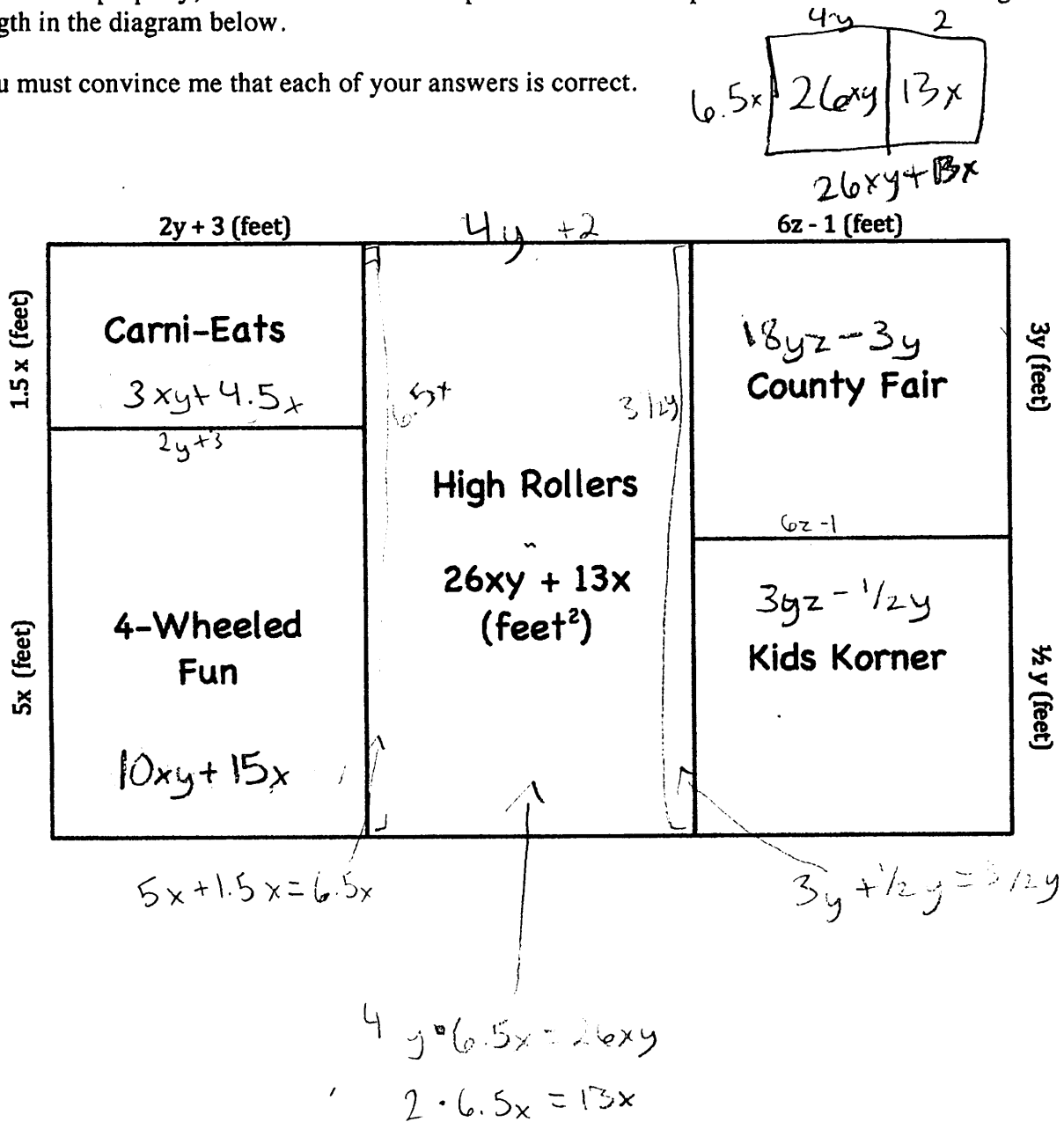
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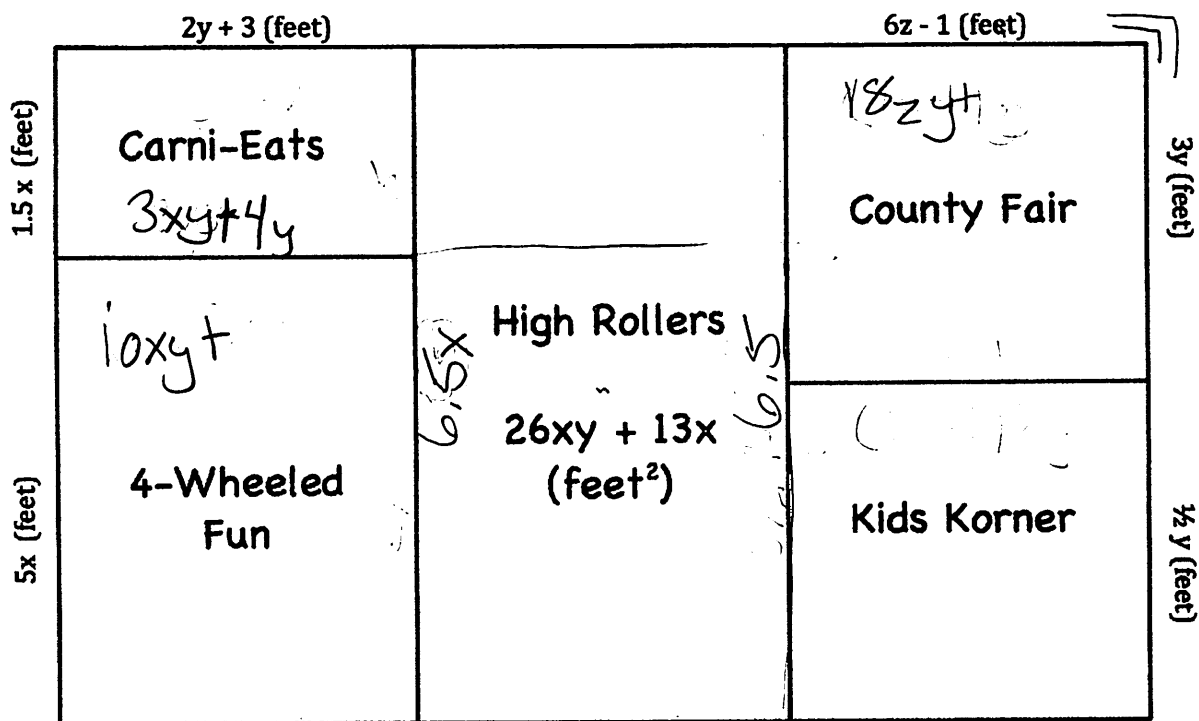
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