



4.3(E) Fluency Practice - Warm Up

Doug bought a package of water and a package of tea for a cookout he was having. The models are shaded to represent the number drinks his guests drank. Write a fraction that represents the number of drinks Doug's guests drank.

Water 

Tea 

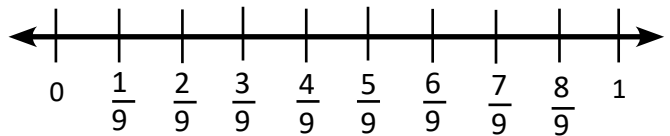
Write a fraction equivalent to the equation.

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \underline{\hspace{2cm}}$$

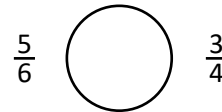
Write a fraction equivalent to the shaded part of the model.



Write a fraction equivalent to $\frac{2}{3}$ on the number line.



< or >



$$\begin{array}{r} 84 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 74 \\ +58 \\ \hline \end{array} \quad \begin{array}{r} 874 \\ +658 \\ \hline \end{array} \quad \begin{array}{r} 6,874 \\ +5,658 \\ \hline \end{array} \quad \begin{array}{r} 76,874 \\ +45,658 \\ \hline \end{array}$$

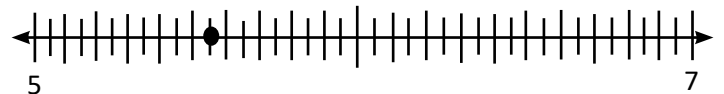
$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 66 \\ -47 \\ \hline \end{array} \quad \begin{array}{r} 766 \\ -597 \\ \hline \end{array} \quad \begin{array}{r} 9,766 \\ -7,899 \\ \hline \end{array} \quad \begin{array}{r} 75,005 \\ -49,899 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \times 30 \\ \hline \end{array}$$

17,971 rounded to the nearest thousand =



The value of the point on the number line =

$$2 \overline{)202}$$

$$2 \overline{)1,002}$$

Convert this mixed number into an improper fraction, and then a decimal.

$$3\frac{79}{100} = \underline{\hspace{2cm}} \text{ Improper Fraction} = \underline{\hspace{2cm}} \text{ Decimal}$$

1x1=	2x1=	3x1=	4x1=	5x1=	6x1=	7x1=	8x1=	9x1=	10x1=	11x1=	12x1=
1x2=	2x2=	3x2=	4x2=	5x2=	6x2=	7x2=	8x2=	9x2=	10x2=	11x2=	12x2=
1x3=	2x3=	3x3=	4x3=	5x3=	6x3=	7x3=	8x3=	9x3=	10x3=	11x3=	12x3=
1x4=	2x4=	3x4=	4x4=	5x4=	6x4=	7x4=	8x4=	9x4=	10x4=	11x4=	12x4=
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1x6=	2x6=	3x6=	4x6=	5x6=	6x6=	7x6=	8x6=	9x6=	10x6=	11x6=	12x6=
1x7=	2x7=	3x7=	4x7=	5x7=	6x7=	7x7=	8x7=	9x7=	10x7=	11x7=	12x7=
1x8=	2x8=	3x8=	4x8=	5x8=	6x8=	7x8=	8x8=	9x8=	10x8=	11x8=	12x8=
1x9=	2x9=	3x9=	4x9=	5x9=	6x9=	7x9=	8x9=	9x9=	10x9=	11x9=	12x9=
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1x11=	2x11=	3x11=	4x11=	5x11=	6x11=	7x11=	8x11=	9x11=	10x11=	11x11=	12x11=
1x12=	2x12=	3x12=	4x12=	5x12=	6x12=	7x12=	8x12=	9x12=	10x12=	11x12=	12x12=

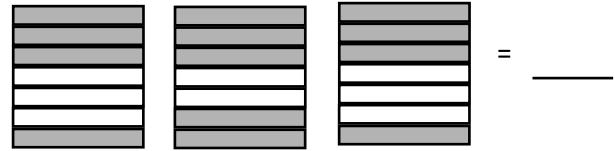
4.3(E) Fluency Practice - Homework

A painter had 24 paintings he wanted to sell at an art show. The shaded models represent how many paintings the painter sold at the art show. Write a fraction that represents the number of paintings the painter sold.

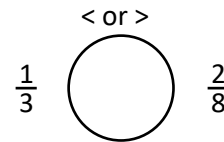
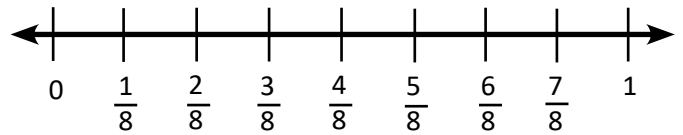
Write a fraction equivalent to the equation.

$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$$

Write a fraction equivalent to the shaded part of the model.



Write a fraction equivalent to $\frac{3}{4}$ on the number line. _____



$\begin{array}{r} 92 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ +57 \\ \hline \end{array}$	$\begin{array}{r} 872 \\ +657 \\ \hline \end{array}$	$\begin{array}{r} 8,872 \\ +3,657 \\ \hline \end{array}$	$\begin{array}{r} 86,872 \\ +35,657 \\ \hline \end{array}$
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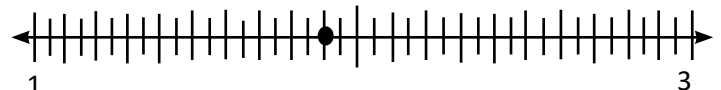
$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ -47 \\ \hline \end{array}$	$\begin{array}{r} 764 \\ -597 \\ \hline \end{array}$	$\begin{array}{r} 9,764 \\ -7,899 \\ \hline \end{array}$	$\begin{array}{r} 81,004 \\ -49,899 \\ \hline \end{array}$
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$$\begin{array}{r} 37 \\ \times 31 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ \times 33 \\ \hline \end{array}$$

24,658 rounded to the nearest thousand = _____



The value of the point on the number line = _____

$$3 \overline{)216}$$

$$3 \overline{)1,016}$$

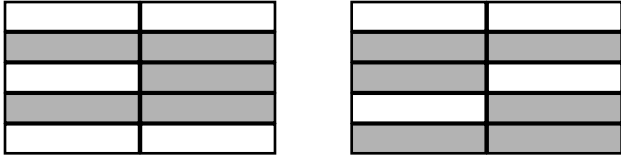
Convert this mixed number into an improper fraction, and then a decimal.

$$5 \frac{86}{100} = \underline{\hspace{2cm}} \text{ Improper Fraction} = \underline{\hspace{2cm}} \text{ Decimal}$$

1x1=	2x1=	3x1=	4x1=	5x1=	6x1=	7x1=	8x1=	9x1=	10x1=	11x1=	12x1=
1x2=	2x2=	3x2=	4x2=	5x2=	6x2=	7x2=	8x2=	9x2=	10x2=	11x2=	12x2=
1x3=	2x3=	3x3=	4x3=	5x3=	6x3=	7x3=	8x3=	9x3=	10x3=	11x3=	12x3=
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1x5=	2x5=	3x5=	4x5=	5x5=	6x5=	7x5=	8x5=	9x5=	10x5=	11x5=	12x5=
1x6=	2x6=	3x6=	4x6=	5x6=	6x6=	7x6=	8x6=	9x6=	10x6=	11x6=	12x6=
1x7=	2x7=	3x7=	4x7=	5x7=	6x7=	7x7=	8x7=	9x7=	10x7=	11x7=	12x7=
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1x12=	2x12=	3x12=	4x12=	5x12=	6x12=	7x12=	8x12=	9x12=	10x12=	11x12=	12x12=

4.3(E) Fluency Practice - Extra Practice

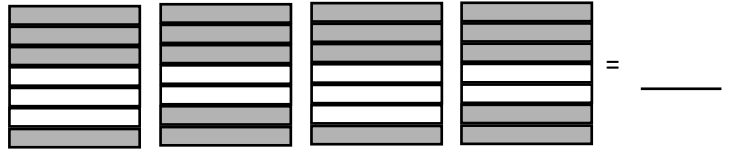
A farmer sold some cows at a cattle show. The shaded models represent how many cows the farmer sold. Write a fraction that represents how many cows the farmer sold.



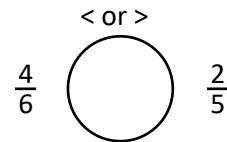
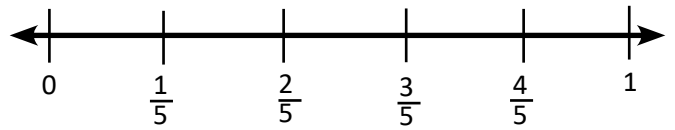
Write a fraction equivalent to the equation.

$$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \underline{\hspace{2cm}}$$

Write a fraction equivalent to the shaded part of the model.



Write a fraction equivalent to $\frac{2}{10}$ on the number line. _____



<u>48</u>	<u>48</u>	<u>948</u>	<u>8,948</u>	<u>96,948</u>
+5	+39	+769	+3,769	+37,769

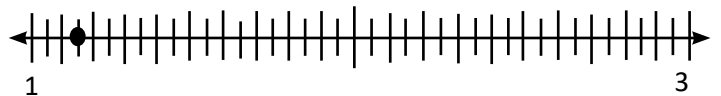
<u>13</u>	<u>63</u>	<u>763</u>	<u>9,763</u>	<u>71,003</u>
- 8	- 48	- 598	- 7,898	- 59,898

$$\begin{array}{r} 40 \\ \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ \times 35 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 36 \\ \hline \end{array}$$

19,498 rounded to the nearest thousand = _____



The value of the point on the number line = _____

$$4 \overline{)288}$$

$$4 \overline{)1,113}$$

Convert this mixed number into an improper fraction, and then a decimal.

$$9\frac{21}{100} = \underline{\hspace{2cm}} \text{ Improper Fraction} = \underline{\hspace{2cm}} \text{ Decimal}$$

1x1=	2x1=	3x1=	4x1=	5x1=	6x1=	7x1=	8x1=	9x1=	10x1=	11x1=	12x1=
1x2=	2x2=	3x2=	4x2=	5x2=	6x2=	7x2=	8x2=	9x2=	10x2=	11x2=	12x2=
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1x12=	2x12=	3x12=	4x12=	5x12=	6x12=	7x12=	8x12=	9x12=	10x12=	11x12=	12x12=

4.3(E) Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations [Readiness Standard].

1. John's family and the Kenny's family cooked fish at a family cookout. John's family ate $\frac{3}{9}$ of the fish. The families ate $\frac{8}{9}$ of the fish altogether.



What fraction of the fish did Kenny's family eat?

- A) $\frac{8}{9}$ B) $\frac{1}{9}$
 C) $\frac{5}{9}$ D) $\frac{2}{9}$

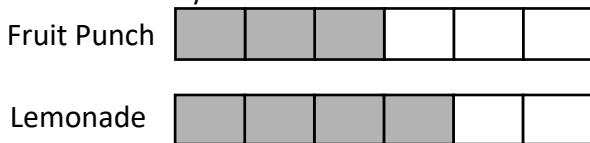
2. Jessica counted the shirts in her drawer.

- $\frac{4}{9}$ of the shirts are white
- $\frac{2}{9}$ of the shirts are pin
- The rest of the shirts are black or green.

What fraction of the the shirts are black or green?

- A) $\frac{3}{9}$, because $\frac{4}{9} + \frac{2}{9} = \frac{6}{9}$ and $\frac{9}{9} - \frac{6}{9} = \frac{3}{9}$
 B) $\frac{6}{9}$, because $\frac{4}{9} + \frac{2}{9} = \frac{6}{9}$
 C) $\frac{2}{9}$, because $\frac{4}{9} - \frac{2}{9} = \frac{2}{9}$
 D) $\frac{15}{9}$, because $\frac{4}{9} + \frac{2}{9} = \frac{6}{9}$ and $\frac{9}{9} + \frac{6}{9} = \frac{15}{9}$

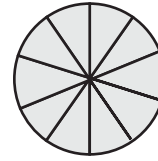
3. Johnny bought a six pack of fruit punch and a six pack of lemonade drinks for his family. The models are shaded to represent how many drinks are left.



What fraction of the drinks did Johnny's family **NOT** drink?

- A) $\frac{1}{6}$ B) $\frac{3}{6}$
 C) $1\frac{3}{6}$ D) $1\frac{1}{6}$

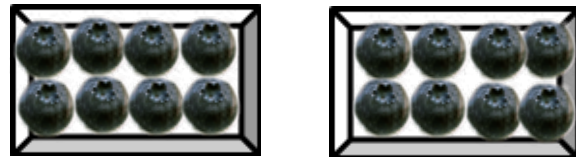
4. Sam and Tony ate $\frac{8}{10}$ of their pizza. Sam ate $\frac{3}{10}$ of the pizza.



What fraction of the pizza did Tony eat?

- A) $\frac{3}{8}$ B) $\frac{5}{10}$
 C) $\frac{2}{10}$ D) $\frac{4}{5}$

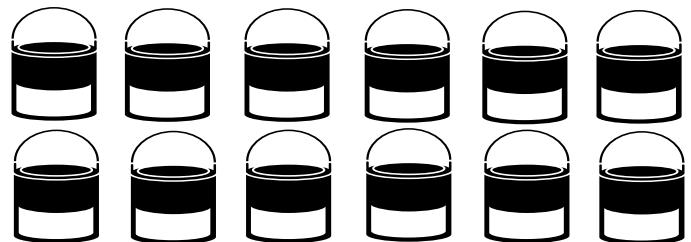
5. Beth took 16 blueberries to school for lunch. She shared of one container of blueberries with her friend Sara.



Which fraction represents the amount of blueberries Beth ate?

- A) $1\frac{2}{4}$ B) $1\frac{2}{3}$
 C) $\frac{8}{4}$ D) $\frac{12}{8}$

6. Shirley and Sam used twelve cans of paint to paint rooms in their house. They used $\frac{3}{12}$ of the paint in their bedroom, $\frac{3}{12}$ in their sons' bedroom, $\frac{2}{12}$ in the bathroom, and the remaining paint was used in their kitchen.

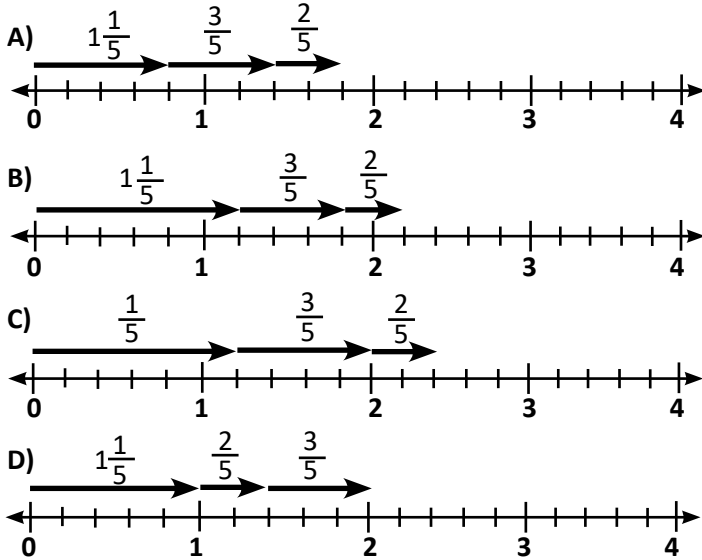


What fraction of the cans of paint were used in Shirley and Sam's kitchen?

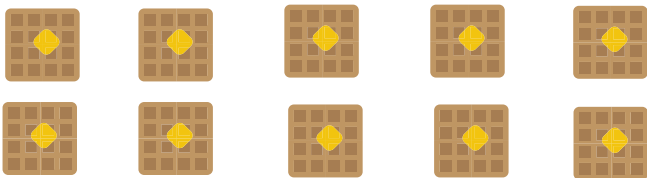
- A) $\frac{2}{12}$ B) $\frac{5}{12}$
 C) $\frac{4}{12}$ D) $\frac{6}{12}$

4.3(E) Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations [Readiness Standard].

1. Kim used $1\frac{1}{5}$ cup of flour, $\frac{3}{5}$ cup of sugar, and $\frac{2}{5}$ cup of milk to make cookies. Which number line represents the amount of ingredients Kim used?



2. Alvin cooked 10 waffles for his wife Sheila, and his sons Jerry and Corey. Alvin ate $\frac{2}{10}$ of the waffles, Sheila ate $\frac{1}{10}$ and Jerry and Corey ate the remaining waffles.



What fraction of the waffles did Corey and Jerry eat?

- A) $\frac{7}{10}$ B) $\frac{6}{10}$
 C) $\frac{5}{10}$ D) $\frac{3}{10}$

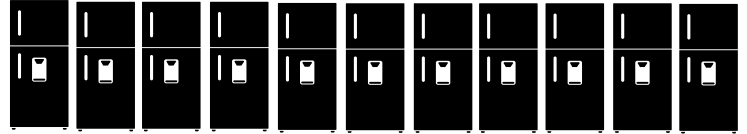
3. Ted cooked two pans of chicken for a cookout. The shaded parts of the models represent how much chicken was eaten.



What fraction of the chicken was eaten from both pans?

- A) $\frac{14}{24}$ B) $2\frac{7}{12}$
 C) $1\frac{3}{12}$ D) $\frac{7}{12}$

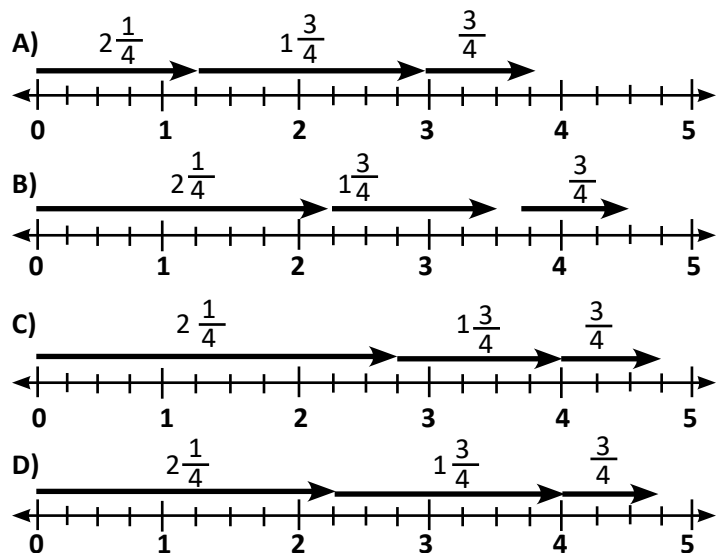
4. An appliance store sold eleven refrigerators in one week. The appliance store sold $\frac{3}{11}$ refrigerators on Monday, $\frac{2}{11}$ refrigerators on Tuesday, and the remaining refrigerators were sold on Friday and Saturday.



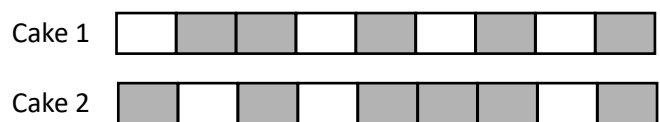
What fraction of the refrigerators were sold on Friday and Saturday?

- A) $\frac{6}{11}$ B) $\frac{4}{11}$
 C) $\frac{5}{11}$ D) $\frac{7}{11}$

5. To make rice, Terry used $2\frac{1}{4}$ cup of water, $1\frac{3}{4}$ cup of rice, and $\frac{3}{4}$ cup of salt. Which number line represents the ingredients Terry used to make rice?



6. Tania made two chocolate cakes to sell at a bake sale. The models are shaded to represent the number of slices of chocolate cake Tania sold.



What fraction of the chocolate was eaten from both pans?

- A) $\frac{11}{8}$ B) $2\frac{5}{8}$
 C) $\frac{8}{12}$ D) $1\frac{6}{8}$

4.3(E) Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations [Readiness Standard].

1. Jeremiah painted a picture using four different tupes of paint.

- $\frac{2}{8}$ of the paint was purple
- $\frac{1}{8}$ of the paint was gold
- The rest of the paint was red or white.

What fraction of the the paint was red or white?

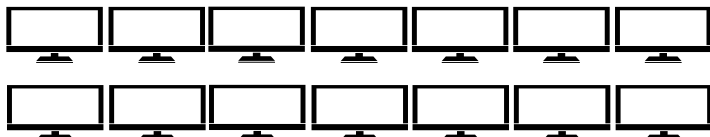
A) $\frac{11}{8}$, because $\frac{2}{8} + \frac{1}{8} = \frac{3}{8}$ and $\frac{8}{8} + \frac{3}{8} = \frac{11}{8}$

B) $\frac{1}{8}$, because $\frac{2}{8} - \frac{1}{8} = \frac{1}{8}$

C) $\frac{3}{8}$, because $\frac{2}{8} + \frac{1}{8} = \frac{3}{8}$

D) $\frac{5}{8}$, because $\frac{1}{8} + \frac{2}{8} = \frac{3}{8}$ and $\frac{8}{8} - \frac{3}{8} = \frac{5}{8}$

2. An electronic store sold $\frac{4}{14}$ of their TV's on Friday and the $\frac{5}{14}$ on Saturday. They sold the remaining TV's on Sunday. What fraction of the TV's did the electronic store sell on Sunday?



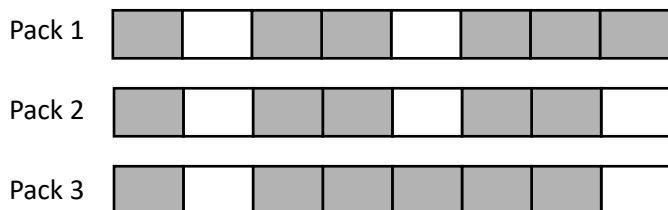
A) $\frac{6}{14}$

B) $\frac{4}{14}$

C) $\frac{5}{14}$

D) $\frac{7}{14}$

3. A youth group sold hot dogs to raise money to attend a summer camp. They models are shaded to represent how many hot dogs were sold.



What fraction of the hot dogs was sold?

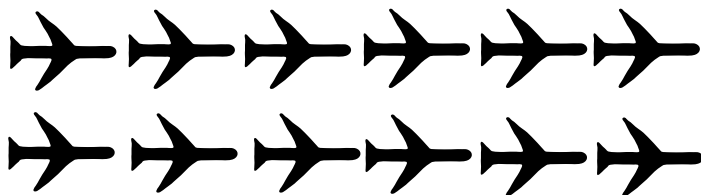
A) $1 \frac{1}{8}$

B) $2 \frac{1}{8}$

C) $\frac{16}{8}$

D) $\frac{11}{8}$

4. Dan flew in an airplane twelve times in 2017. $\frac{2}{12}$ of Dan's flights were in January, and $\frac{3}{12}$ of his flights were in March. Dan's remaining flights were in July and August.



What fraction of Dan's flights were in July and August?

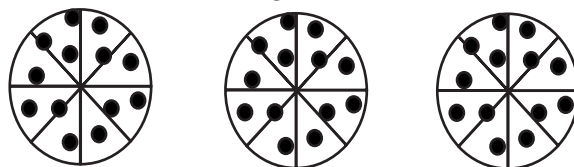
A) $\frac{6}{12}$

B) $\frac{7}{12}$

C) $\frac{5}{12}$

D) $\frac{4}{12}$

5. John, Chris, and Adam ordered three pizzas. John, Chris, and Adam each ate $\frac{6}{8}$ of a pizza.



What fraction of the pizzas was eaten by John, Chris, and Adam?

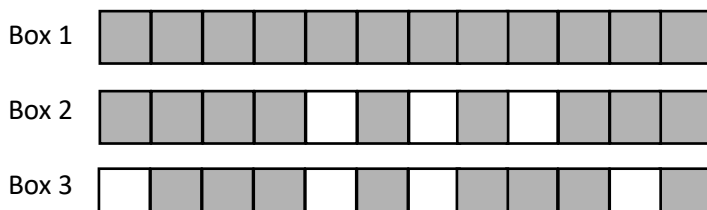
A) $\frac{18}{8}$

B) $1 \frac{3}{4}$

C) $1 \frac{2}{4}$

D) $2 \frac{2}{4}$

6. Mrs. Thompson bought 3 boxes of popcicles to share with her students. The models are shaded to represent how many popcicles were eaten by Mrs. Thompson's students.



What fraction of the popcicles were eaten?

A) $\frac{28}{12}$

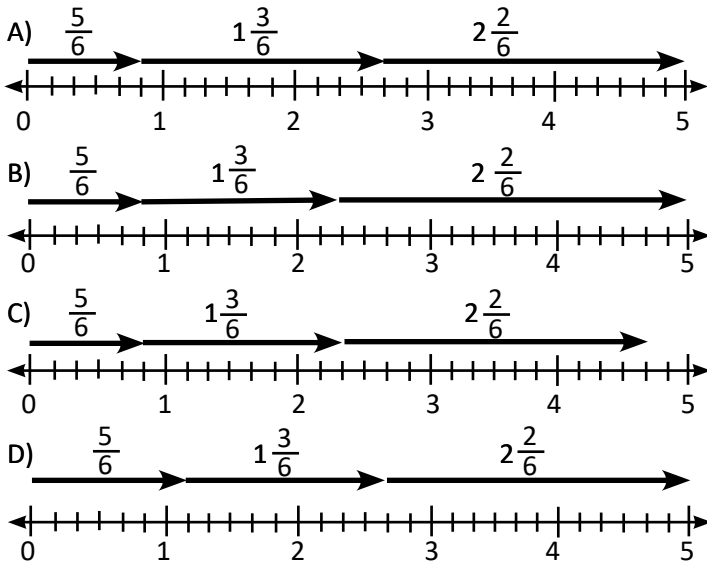
B) $2 \frac{2}{12}$

C) $2 \frac{5}{12}$

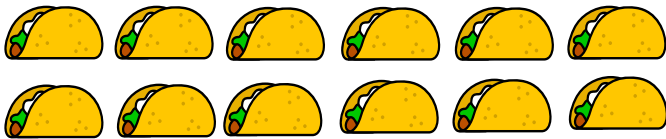
D) $\frac{25}{12}$

4.3(E) Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations [Readiness Standard].

1. Jim ran $\frac{5}{6}$ mile on Monday, $1\frac{3}{6}$ miles on Wednesday, and $2\frac{2}{6}$ miles on Friday. Which number line represents the total number of miles Jim ran?



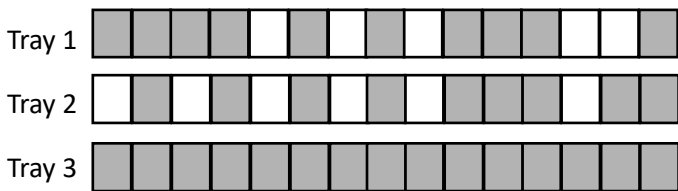
2. Malcolm, Edna, Rico, and Tina bought twelve tacos to share. Malcolm ate $\frac{3}{12}$ of the tacos, Edna ate $\frac{2}{12}$ of the tacos, and Rico and Tina ate the remaining tacos.



What fraction of the tacos did Rico and Tina eat?

- A) $\frac{8}{12}$ B) $\frac{2}{12}$
 C) $\frac{5}{12}$ D) $\frac{7}{12}$

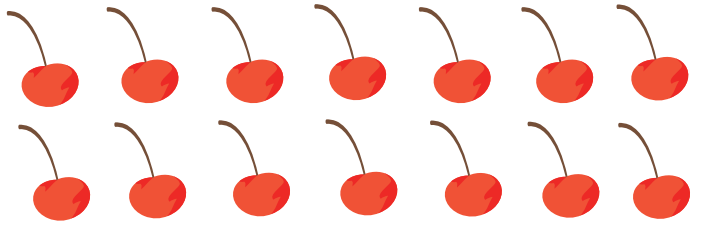
3. A church made three trays of drinks for guests at a summer festival. The shaded parts of the figures represent how many drinks were drank by guests.



What fraction of the drinks were drank by guests?

- A) $\frac{35}{15}$ B) $2\frac{10}{15}$
 C) $1\frac{19}{15}$ D) $2\frac{4}{15}$

4. Elena brought fourteen cherries for her lunch to share with her friends. She shared $\frac{4}{12}$ cherries with Natalie, $\frac{4}{12}$ cherries with Veronica, and kept the remaining cherries for herself.



What fraction of the cherries did Elena keep for herself

- A) $\frac{4}{12}$ B) $\frac{8}{12}$
 C) $\frac{6}{12}$ D) $\frac{5}{12}$

5. Courtney used $1\frac{2}{5}$ gallons of red paint $1\frac{3}{5}$ gallons of purple paint, and $\frac{4}{5}$ gallons of white paint to paint his house. Which number line represents the number of gallons of paint Courtney used?

