
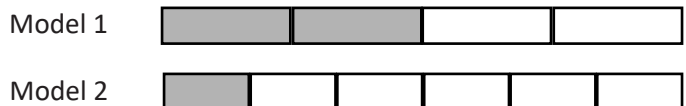


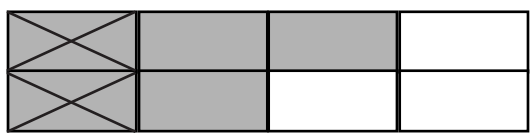
5.3(I): Fluency Practice - Warm Up

Mrs. Adams gave her students $\frac{3}{4}$ of the 32 star stickers she had in her desk. How many stars did Mrs. Adams give her students? Show your work.

= _____

What is the total of model 1 and model 2 altogether?



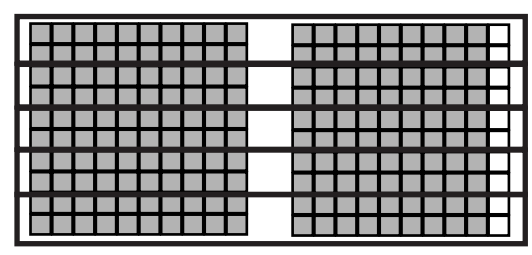
= _____

Write an expression that represents the fractional model.

$$\begin{array}{r} 8.4 \\ +.7 \\ \hline \end{array} \qquad \begin{array}{r} 8.6 \\ +6.5 \\ \hline \end{array} \qquad \begin{array}{r} 87.3 \\ +63.9 \\ \hline \end{array} \qquad \begin{array}{r} 84.36 \\ +76.47 \\ \hline \end{array}$$

$$\begin{array}{r} 1.3 \\ -.6 \\ \hline \end{array} \qquad \begin{array}{r} 7.0 \\ -2.4 \\ \hline \end{array} \qquad \begin{array}{r} 41.1 \\ -27.5 \\ \hline \end{array} \qquad \begin{array}{r} 80.10 \\ -21.56 \\ \hline \end{array}$$

$$\begin{array}{r} 6.7 \\ \times .4 \\ \hline \end{array} \qquad \begin{array}{r} 95.6 \\ \times .5 \\ \hline \end{array} \qquad \begin{array}{r} 894.9 \\ \times .6 \\ \hline \end{array} \qquad \begin{array}{r} 8.5 \\ \times 7.9 \\ \hline \end{array}$$



= _____

Write a division equation that represents the model.

$$14 \overline{)8.82}$$

$$11 \overline{)47.85}$$


$$7 \frac{44}{100} = \underline{\hspace{2cm}} \text{ Improper Fraction} = \underline{\hspace{2cm}} \text{ Decimal}$$

$$8 \frac{5}{6} + 1 \frac{5}{8} =$$

- | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 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= |
| 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= |
| 1x8= | 2x8= | 3x8= | 4x8= | 5x8= | 6x8= | 7x8= | 8x8= | 9x8= | 10x8= | 11x8= | 12x8= |
| 1x9= | 2x9= | 3x9= | 4x9= | 5x9= | 6x9= | 7x9= | 8x9= | 9x9= | 10x9= | 11x9= | 12x9= |
| 1x10= | 2x10= | 3x10= | 4x10= | 5x10= | 6x10= | 7x10= | 8x10= | 9x10= | 10x10= | 11x10= | 12x10= |
| 1x11= | 2x11= | 3x11= | 4x11= | 5x11= | 6x11= | 7x11= | 8x11= | 9x11= | 10x11= | 11x11= | 12x11= |
| 1x12= | 2x12= | 3x12= | 4x12= | 5x12= | 6x12= | 7x12= | 8x12= | 9x12= | 10x12= | 11x12= | 12x12= |

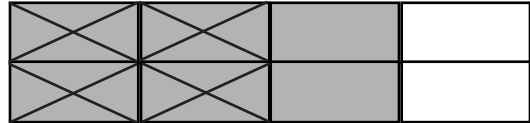
5.3(l): Fluency Practice - Homework

Donneka sold $\frac{2}{3}$ of the 27 chocolate cupcakes she made for a church bake sale. How many cupcakes did Donneka sell? Show your work.



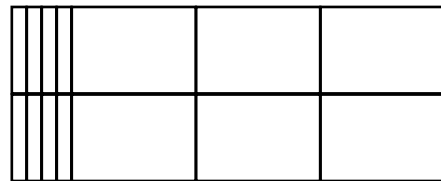

= _____

What is the total of model 1 and model 2 altogether?



= _____

Write an expression that represents the fractional model.



= _____

Write a division equation that represents the model.

$$1\frac{71}{100} = \underline{\hspace{2cm}} \text{ Improper Fraction} = \underline{\hspace{2cm}} \text{ Decimal}$$

$$3\frac{2}{6} + 2\frac{1}{4} =$$

$$\begin{array}{r} 8.6 \\ +.8 \\ \hline \end{array} \qquad \begin{array}{r} 8.7 \\ +6.8 \\ \hline \end{array} \qquad \begin{array}{r} 87.5 \\ +63.8 \\ \hline \end{array} \qquad \begin{array}{r} 84.49 \\ +76.53 \\ \hline \end{array}$$

$$\begin{array}{r} 1.4 \\ -.5 \\ \hline \end{array} \qquad \begin{array}{r} 8.0 \\ -2.2 \\ \hline \end{array} \qquad \begin{array}{r} 41.2 \\ -33.5 \\ \hline \end{array} \qquad \begin{array}{r} 80.22 \\ -21.33 \\ \hline \end{array}$$

$$\begin{array}{r} 6.8 \\ \times .4 \\ \hline \end{array} \qquad \begin{array}{r} 86.9 \\ \times .5 \\ \hline \end{array} \qquad \begin{array}{r} 923.2 \\ \times .6 \\ \hline \end{array} \qquad \begin{array}{r} 7.7 \\ \times 6.9 \\ \hline \end{array}$$

$$19 \overline{)5.89}$$

$$21 \overline{)47.88}$$

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=
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=
1x8=	2x8=	3x8=	4x8=	5x8=	6x8=	7x8=	8x8=	9x8=	10x8=	11x8=	12x8=
1x9=	2x9=	3x9=	4x9=	5x9=	6x9=	7x9=	8x9=	9x9=	10x9=	11x9=	12x9=
1x10=	2x10=	3x10=	4x10=	5x10=	6x10=	7x10=	8x10=	9x10=	10x10=	11x10=	12x10=
1x11=	2x11=	3x11=	4x11=	5x11=	6x11=	7x11=	8x11=	9x11=	10x11=	11x11=	12x11=
1x12=	2x12=	3x12=	4x12=	5x12=	6x12=	7x12=	8x12=	9x12=	10x12=	11x12=	12x12=

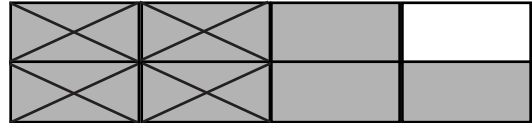
5.3(I): Fluency Practice - Extra Practice

A boating company let customers use $\frac{3}{4}$ of their 30 life vests to swim in a lake. How many life vests did the boating company let customers use? Show your work.



= _____

What is the total of model 1 and model 2 altogether?



= _____

Write an expression that represents the fractional model.

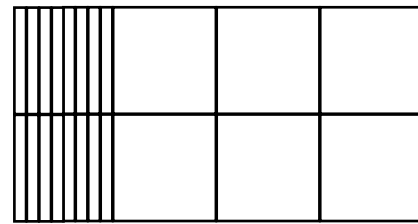
$$\begin{array}{r} 9.3 \\ +.8 \\ \hline \end{array} \qquad \begin{array}{r} 8.4 \\ +6.7 \\ \hline \end{array} \qquad \begin{array}{r} 87.3 \\ +63.9 \\ \hline \end{array} \qquad \begin{array}{r} 84.36 \\ +76.36 \\ \hline \end{array}$$

$$\begin{array}{r} 1.6 \\ -.7 \\ \hline \end{array} \qquad \begin{array}{r} 8.0 \\ -2.3 \\ \hline \end{array} \qquad \begin{array}{r} 41.1 \\ -33.4 \\ \hline \end{array} \qquad \begin{array}{r} 80.14 \\ -21.51 \\ \hline \end{array}$$

$$\begin{array}{r} 6.9 \\ \times .4 \\ \hline \end{array} \qquad \begin{array}{r} 86.7 \\ \times .5 \\ \hline \end{array} \qquad \begin{array}{r} 923.3 \\ \times .8 \\ \hline \end{array} \qquad \begin{array}{r} 7.8 \\ \times 6.5 \\ \hline \end{array}$$

$$23 \overline{)6.21}$$

$$24 \overline{)65.52}$$



= _____

Write a division equation that represents the model.

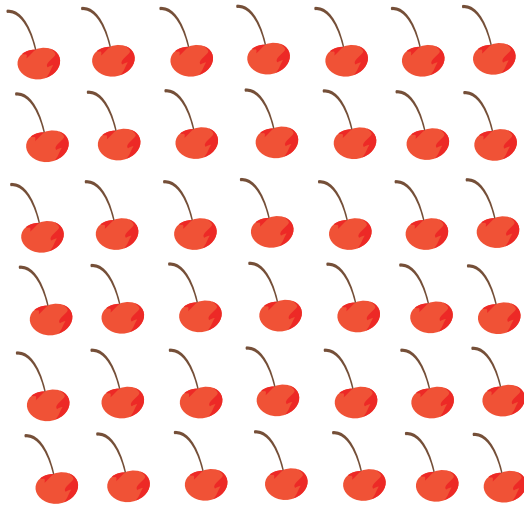
$$3 \frac{37}{100} = \underline{\hspace{2cm}} \text{ Improper Fraction} = \underline{\hspace{2cm}} \text{ Decimal}$$

$$4 \frac{4}{5} + 3 \frac{2}{6} =$$

- | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 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= |
| 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= |
| 1x8= | 2x8= | 3x8= | 4x8= | 5x8= | 6x8= | 7x8= | 8x8= | 9x8= | 10x8= | 11x8= | 12x8= |
| 1x9= | 2x9= | 3x9= | 4x9= | 5x9= | 6x9= | 7x9= | 8x9= | 9x9= | 10x9= | 11x9= | 12x9= |
| 1x10= | 2x10= | 3x10= | 4x10= | 5x10= | 6x10= | 7x10= | 8x10= | 9x10= | 10x10= | 11x10= | 12x10= |
| 1x11= | 2x11= | 3x11= | 4x11= | 5x11= | 6x11= | 7x11= | 8x11= | 9x11= | 10x11= | 11x11= | 12x11= |
| 1x12= | 2x12= | 3x12= | 4x12= | 5x12= | 6x12= | 7x12= | 8x12= | 9x12= | 10x12= | 11x12= | 12x12= |

5.3(I): Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models [Supporting Standard].

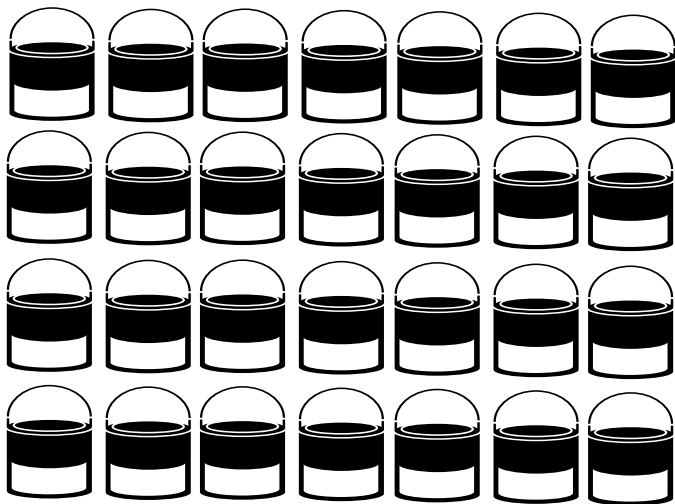
1. Sara used $\frac{6}{7}$ of the 42 cherries she bought to make a cherry pie.



How many cherries did Sara use to make a cherry pie?

- A) 28
- B) 32
- C) 36
- D) 40

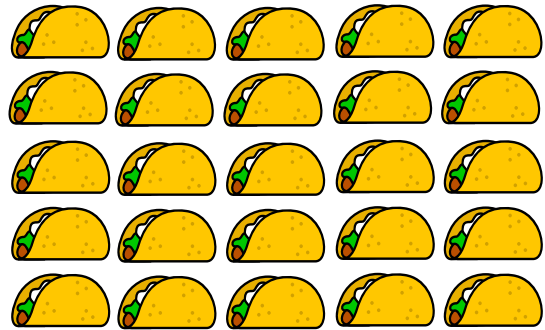
2. Arthor and Rebecca used $\frac{3}{4}$ of the 28 cans of paint they purchased.



How many cans of paint did Arthor and Rebecca use?

- A) 18
- B) 21
- C) 16
- D) 20

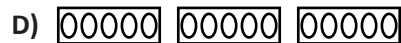
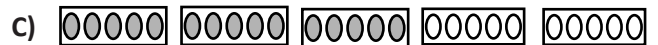
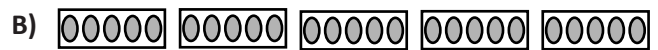
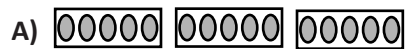
3. The Williams family ate $\frac{4}{5}$ of the 25 tacos they made.



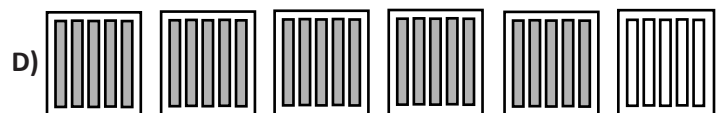
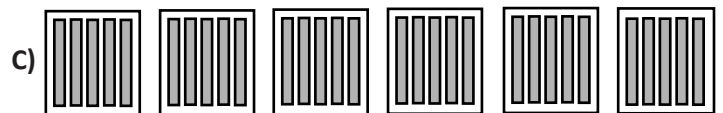
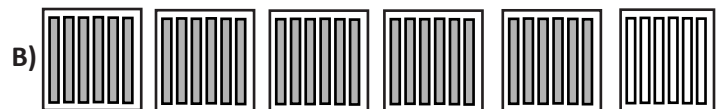
How many tacos did the Williams family eat?

- A) 20
- B) 12
- C) 26
- D) 16

4. Which model represents $\frac{3}{5}$ of 25?



5. Which model represents $\frac{5}{6}$ of 30?



5.3(I): Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models [Supporting Standard].

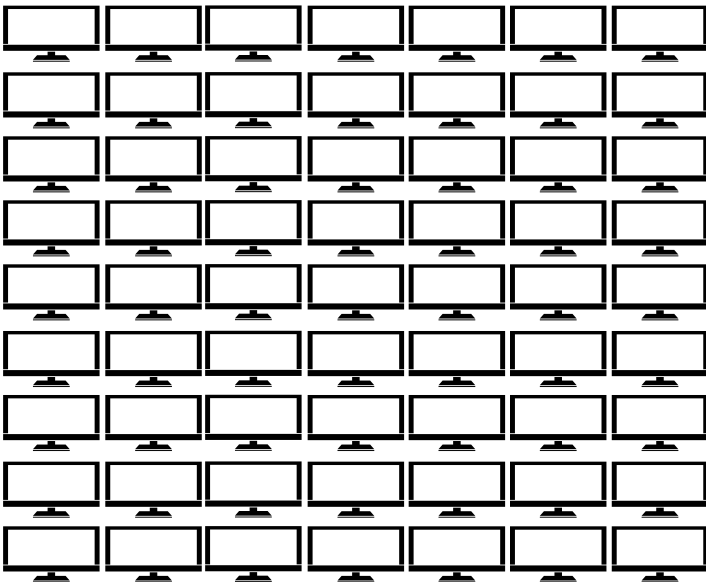
1. Justin and Tim gave away $\frac{3}{4}$ of the 36 fish they caught.



What number of the fish did Justin and Tim give away?

- A) 27 B) 28
C) 30 D) 33

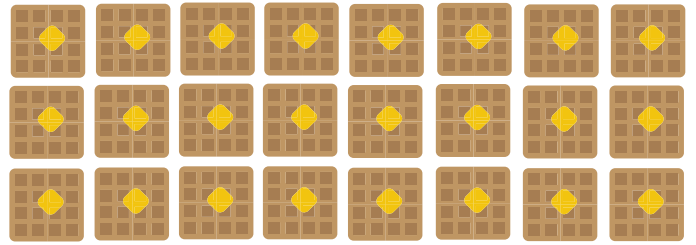
2. An electronics store sold $\frac{2}{3}$ of their 63 televisions in one day.



What number of televisions did the electronics store sell?

- A) 32 B) 38
C) 40 D) 42

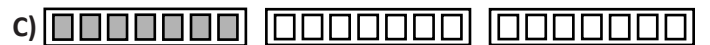
3. The Muhammad family ate $\frac{3}{4}$ of the 24 waffles they bought from the store in one month.



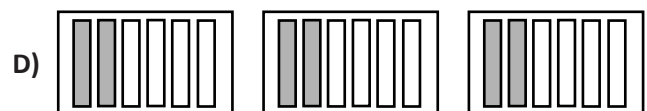
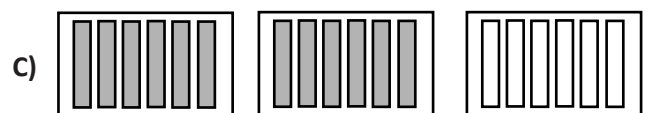
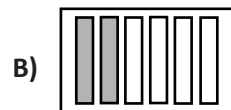
How many waffles did the Muhammad family eat?

- A) 12 B) 18
C) 14 D) 13

4. Which model represents $\frac{1}{3}$ of 21?



5. Which model represents $\frac{2}{3}$ of 18?



5.3(I): Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models [Supporting Standard].

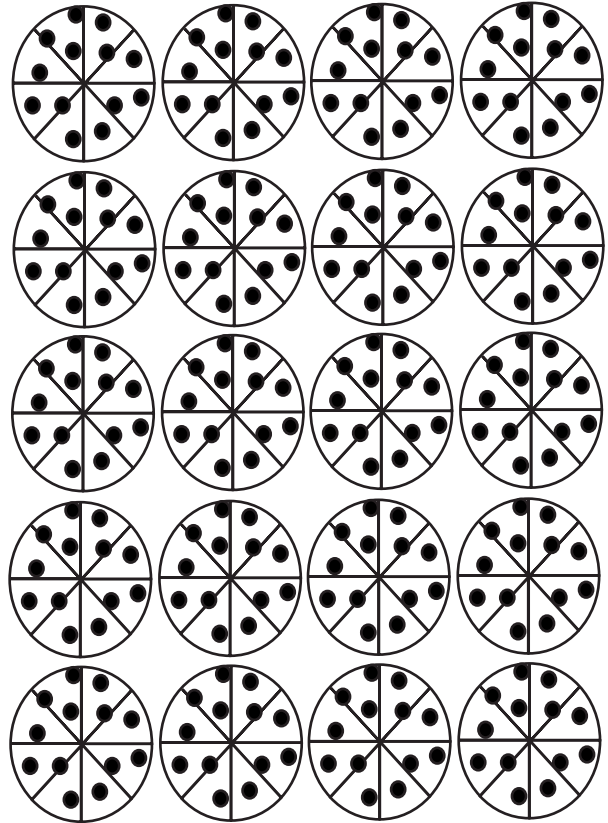
1. Which model represents $\frac{1}{4}$ of 16?



2. Which model represents $\frac{3}{4}$ of 16?



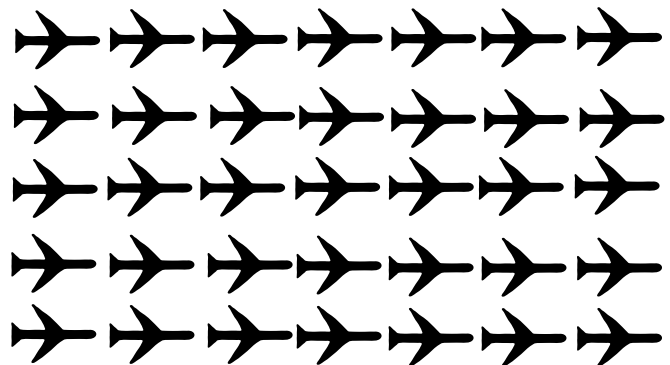
3. A baseball team bought $\frac{4}{5}$ of the 20 pepperoni pizzas that a pizza restaurant sold in one day.



How many pizzas did the baseball team buy?

- A) 18 B) 21
C) 16 D) 20

4. 35 airplanes arrived into Dallas, Texas, and $\frac{5}{7}$ of the airplanes that arrived were from Houston, Texas.

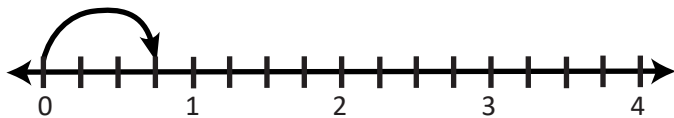


How many airplanes arrived into Dallas from Houston?

- A) 23 B) 25
C) 25 D) 20

5.3(I): Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models [Supporting Standard].

1. Tim ran $\frac{3}{4}$ of a mile each day for 4 days. The number line represents the number of miles Tim runs in 1 day.



What is the total number of miles Tim ran in 4 days?

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

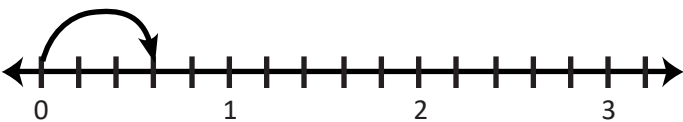
2. Zora used $\frac{2}{3}$ of a cup of butter to make 1 tray of muffins. The number line represents the number of cups of butter used to make 1 tray of muffins.



What is the total number of cups of butter Zora used to make 5 trays of muffins?

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

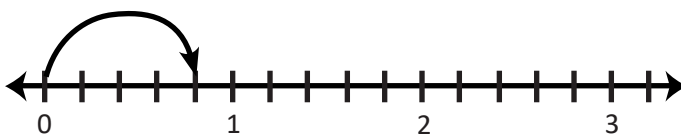
3. Osiris put $\frac{3}{5}$ of an ounce of ice cream in each vanilla shake he makes. The number line represents the number of ounces of ice cream he puts in each milk shake.



What is the total number of ounces of ice cream Osiris put in 4 milk shakes?

- A) $2\frac{2}{5}$ oz B) 2 oz
C) $2\frac{3}{5}$ oz D) $1\frac{4}{5}$ oz

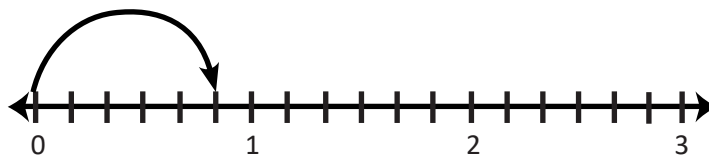
4. Alex made 3 pitchers of lemonade. Each pitcher contained $\frac{4}{5}$ of a gallon of water. The number line represents the amount of water Alex put in one pitcher.



What is the total number of gallons of water Alex used to make 3 pitchers of lemonade?

- A) $3\frac{1}{5}$ gal B) $3\frac{3}{5}$ gal
C) $2\frac{4}{6}$ gal D) $2\frac{2}{5}$ gal

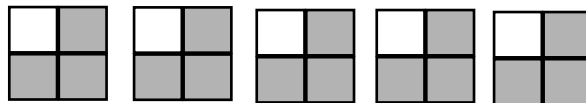
5. A restaurant uses $\frac{5}{6}$ of a pound of butter to make one pan of sweet potatoes. The number line represents the amount of butter the restaurant puts in 1 pan of sweet potatoes.



What is the total number of pounds of butter the restaurant used to make 3 pans of sweet potatoes?

- A) $2\frac{2}{6}$ lb B) $2\frac{1}{2}$ lb
C) $2\frac{5}{6}$ lb D) $2\frac{4}{6}$ lb

6. DJ drank $\frac{3}{4}$ of a gallon of water each day for 5 days. The shaded part of the model represents the amount of water DJ drank.



What is the total number of gallons of water DJ drank?

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

