

4th Grade TEKS Readiness Focus

TEKS 4.3E: 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.

Activity Directions:

Items Needed: **Fraction Match** activity, glue, scissors

1. Copy the activity for each student or partner group.
 2. Student will cut apart word problems and models shown on cards.
 3. Students must find the cards that represent a given mixed number or fraction.
- Cards should be glued to the mat. (See below.)
4. Have students practice questions coded to TEKS 4.3E.

Name _____

Fraction Match

Cut apart the word problems and models provided on cards. Match the cards to the correct fraction or mixed number.

$1\frac{2}{4}$	$1\frac{3}{12}$	$\frac{9}{10}$
Justin lives 3 miles from school. He walks $\frac{3}{4}$ of a mile to the bus stop. He rides $\frac{2}{4}$ of a mile to the next bus stop where Jan gets on the bus. They ride another $\frac{1}{4}$ of a mile to pick up Ross and Richard. How far has Justin traveled in his 3-mile journey to school at this point?	Grandma baked two apple pies. <ul style="list-style-type: none"> $\frac{10}{12}$ of one pie has not been eaten. $\frac{5}{12}$ of the second pie has not been eaten. What is the total amount of pie that remains to be eaten?	Pablo has \$1.60 in his piggy bank. He gave \$0.70 to his younger sister. What fraction of a dollar does Pablo have left?

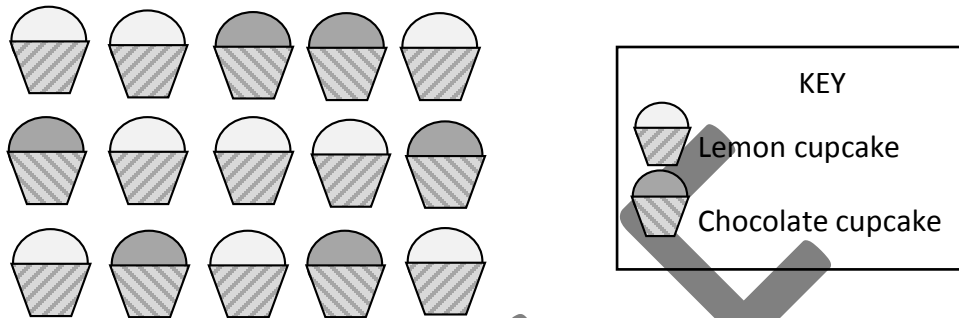
$\frac{7}{8}$	$\frac{7}{10}$	$1\frac{3}{8}$
Soccer practice lasts one hour. The team practices kicks and goals for $\frac{2}{8}$ of an hour. They play a practice game for $\frac{5}{9}$ of an hour. What part of the hour is spent on these activities?	The distance from the park to the zoo is $1\frac{6}{10}$ miles. Sophia rode her bike $\frac{9}{10}$ of a mile. How much farther does she need to ride her bike to reach the zoo?	Cheryl bought 2 gallons of milk at the store. Her twin boys drank $\frac{5}{8}$ of a gallon on Monday. How much milk is left?

Name: _____

Date: _____

TEKS 4.3E: 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.

1. The model below shows the cupcakes Paula baked. She baked two kinds of cupcakes.



Which equation shows one way to find the difference between the fraction of cupcakes that are lemon and the fraction of cupcakes that are chocolate?

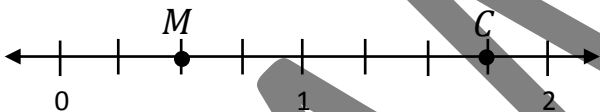
A. $\frac{9}{15} + \frac{6}{15} = \frac{15}{15}$

B. $\frac{15}{15} - \frac{9}{15} = \frac{6}{15}$

C. $\frac{15}{15} + \frac{6}{15} = \frac{21}{15}$

D. $\frac{9}{15} - \frac{6}{15} = \frac{3}{15}$

2. Two points are shown on the number line.



Which equation shows one way to find the distance between point M and point C?

F. $\frac{6}{4} - \frac{1}{4} = \frac{5}{4}$

G. $\frac{7}{4} - \frac{2}{4} = \frac{5}{4}$

H. $\frac{8}{4} - \frac{1}{4} = \frac{7}{4}$

J. $\frac{7}{4} - \frac{3}{4} = \frac{4}{4}$

3. Two fractions are shaded below.



Fraction 1



Fraction 2

What equation shows one way to find the sum of the two fractions?

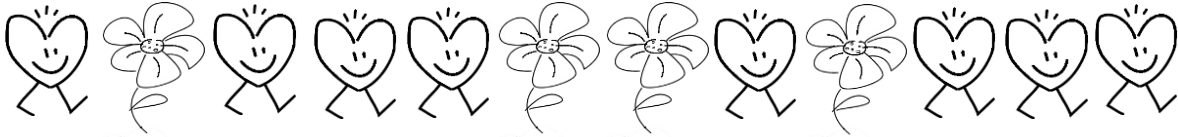
A. $\frac{6}{10} - \frac{5}{10} = \frac{1}{10}$

B. $\frac{6}{10} + \frac{5}{10} = \frac{11}{20}$

C. $\frac{6}{10} + \frac{5}{10} = \frac{11}{10}$

D. $\frac{5}{10} + \frac{4}{10} = \frac{9}{10}$

4. The model below shows the number of stickers in Alicia's collection. She has two kinds of stickers.



Which equation shows one way to find the difference between the fraction of stickers that are hearts and the fraction of stickers that are flowers?

F. $\frac{8}{12} - \frac{4}{12} = \frac{4}{12}$

H. $\frac{12}{12} + \frac{8}{12} = \frac{20}{12}$

G. $\frac{12}{12} - \frac{8}{12} = \frac{4}{12}$

J. $\frac{8}{12} + \frac{4}{12} = \frac{12}{12}$

5. Lily is given a weekly allowance. She budgets her allowance as shown in the diagram below.

Lily's Budget

Aps	Clothes	Clothes
Shoes	Snacks	Charity

Which equation shows one way to find the fraction of Lily's budget to be spent on clothes, shoes and charity?

A. $\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$

B. $\frac{2}{6} + \frac{1}{6} + \frac{1}{6} = \frac{4}{6}$

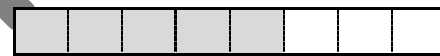
C. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6}$

D. $\frac{6}{6} - \frac{2}{6} = \frac{4}{6}$

6. Xian and Xen are in the same math class. They took a math quiz last week with a total of 8 problems to solve. The strip diagrams are shaded to show the fraction of the problems each boy answered correctly.



Xian's Quiz



Xen's Quiz

Which equation shows one way to find the difference in the performance of the boys on this quiz?

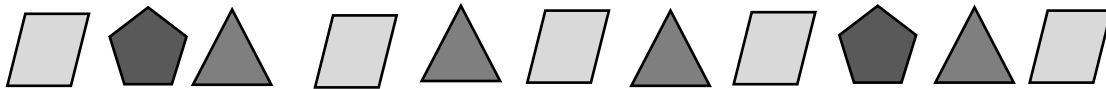
F. $\frac{7}{8} - \frac{5}{8} = \frac{2}{8}$

G. $\frac{7}{8} + \frac{5}{8} = \frac{12}{8}$

H. $\frac{7}{8} - \frac{5}{8} = \frac{2}{0}$

J. $\frac{1}{8} + \frac{3}{8} = \frac{4}{8}$

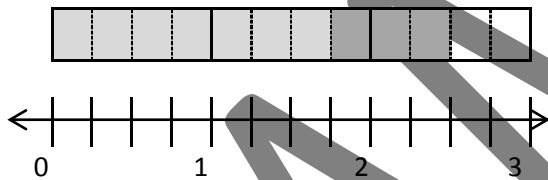
7. The model below shows the shapes that Ryssa has in her toy box. She has three kinds of shapes.



Which equation shows one way to find the sum of the fraction of pentagons and the fraction of parallelograms?

- A. $\frac{3}{11} + \frac{4}{11} = \frac{7}{11}$
- B. $\frac{5}{11} + \frac{2}{11} = \frac{7}{11}$
- C. $\frac{11}{11} - \frac{2}{11} = \frac{9}{11}$
- D. $\frac{11}{11} - \frac{5}{11} = \frac{6}{11}$

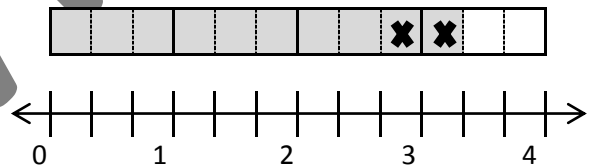
8. Baker Bree used $1\frac{3}{4}$ cups of sugar in a cookie recipe and $\frac{3}{4}$ cups of sugar in a brownie recipe.



How much sugar did Baker Bree use in the two recipes?

- F. $1\frac{2}{4}$ cups of sugar
- G. $2\frac{1}{4}$ cups of sugar
- H. $2\frac{2}{4}$ cups of sugar
- J. $2\frac{3}{4}$ cups of sugar

9. Rancher Ray has a piece of wire that measures $3\frac{1}{3}$ yards in length. If he cuts a piece from the length of wire and has $2\frac{2}{3}$ yards left, how long was the piece of wire Rancher Ray cut?



- A. $3\frac{1}{3}$ yards
- B. $2\frac{2}{3}$ yards
- C. $\frac{2}{3}$ of a yard
- D. $\frac{1}{3}$ of a yard