STAAR Released Item	Equation Editor/Text Entry
4.2(G) 2021 item 8 [Equivalency of Fractions] Which equation shows a decimal and a fraction that are equivalent? **F** $23.5 = 23\frac{5}{100}$ **G** $23.55 = 23\frac{55}{10}$ **H** $23.05 = 23\frac{5}{10}$ **J** $23.5 = 23\frac{50}{100}$	Write a decimal equivalent to $23\frac{5}{100}$. Enter your answer in the space below. 

STAAR Released Item	Equation Editor/Text Entry
4.2(G) 2021 item 8 [Equivalency of Fractions] Which fraction is equivalent to 1.5? **F** $\frac{15}{10}$ **G** $\frac{15}{100}$ **H** $\frac{100}{15}$ **J** $\frac{10}{15}$	Write a fraction equivalent to 1.5. Enter your answer in the space below. 

STAAR Released Item

4.3(A) 2016 item 6
[Representation of Fractions]

The fraction $\frac{3}{8}$ can be represented by this expression.

$$\frac{1}{8}+\frac{1}{8}+\square$$

Which fraction belongs in the $\square$ to complete the expression?

F $\frac{2}{8}$

G $\frac{3}{8}$

H $\frac{1}{8}$

J $\frac{1}{16}$

Drag and Drop

Complete the expression to represent the fraction $\frac{3}{8}$.

Move the correct answer in the box.

Not all answers will be used.

$\frac{2}{8}$ $\frac{3}{8}$ $\frac{1}{8}$ $\frac{1}{16}$

$$\frac{1}{8}+\frac{1}{8}+\square$$

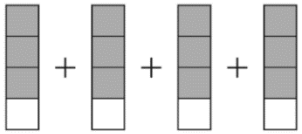
STAAR Released Item

4.3(B) 2019 item 14
[Representation of Fractions]

The model is shaded to represent one whole.

Model Y is shaded to represent a number greater than one.

Model Y:



Which expression CANNOT be used to represent this number?

F $\frac{4}{4}+\frac{4}{4}+\frac{4}{4}$

G $\frac{1}{4}+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}$

H $\frac{4}{4}+\frac{4}{4}+\frac{3}{4}+\frac{1}{4}$

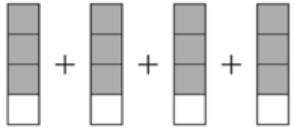
J $\frac{3}{4}+\frac{3}{4}+\frac{3}{4}+\frac{3}{4}$

Multiselect

The model is shaded to represent one whole.

Model Y is shaded to represent a number greater than one.

Model Y:



Which expression can be used to represent this number?

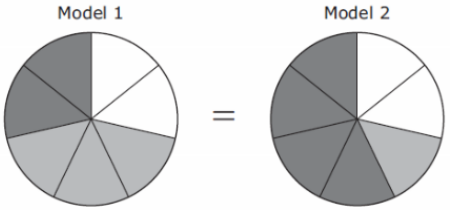
Select **THREE** correct answers.

- ☐ $\frac{4}{4}+\frac{4}{4}+\frac{4}{4}$
- ☐ $\frac{1}{4}+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}$
- ☐ $\frac{4}{4}+\frac{4}{4}+\frac{3}{4}+\frac{1}{4}$
- ☐ $\frac{3}{4}+\frac{3}{4}+\frac{3}{4}+\frac{3}{4}$

STAAR Released Item

4.3(B) 2015 item 5
[Representation of Fractions]

The two models are shaded to represent the same fraction, $\frac{5}{7}$.



Which equation shows that the two models represent the same fraction?

A $\frac{2}{7}+\frac{3}{7}=\frac{4}{7}+\frac{1}{7}$

B $\frac{2}{7}+\frac{3}{7}=\frac{5}{7}+\frac{1}{7}$

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

D $\frac{1}{2}+\frac{1}{3}=\frac{1}{5}+\frac{1}{1}$

Drag and Drop

The two models are shaded to represent the same fraction, $\frac{5}{7}$.

Complete the equation to show the two models represent the same fraction.

Move the correct answer to each box. Not all answers will be used.

$\frac{1}{1}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{7}$ $\frac{4}{7}$ $\frac{5}{7}$

$\frac{2}{7}+\frac{3}{7}=\square+\square$

STAAR Released Item

4.3(C) 2015 item 6
[Equivalency of Fractions]

Which statement about the fractions $\frac{5}{10}$ and $\frac{6}{12}$ is true?

A These fractions are both greater than 1, because their denominators are greater than their numerators.

B These fractions are both equal to 1, because their denominators are greater than their numerators.

C These fractions are equivalent, because their denominators are half their numerators.

D These fractions are equivalent, because their denominators are twice their numerators.

Inline Choice

$\frac{5}{10}$ and $\frac{6}{12}$

Choose the correct answer from each drop-down menu to complete the statement.

These fractions are [Choose...] , because their denominators are

both greater than 1
both equal to 1
equivalent

[Choose...] their numerators.

greater than
half
twice

STAAR Released Item

4.3(D) 2021 item 28
[Comparison of Fractions]

This chart shows four comparisons.

W	$\frac{8}{12} < \frac{8}{10}$
X	$\frac{8}{12} < \frac{4}{6}$
Y	$\frac{8}{12} < \frac{9}{12}$
Z	$\frac{8}{12} < \frac{6}{8}$

Which of these comparisons are true?

F Only W

G Only X and Z

H Only W, Y, and Z

J None of these

Multiselect

Which comparison is true.

Select **TWO** correct answers.

- ☐ $\frac{8}{12} < \frac{8}{10}$
- ☐ $\frac{8}{12} < \frac{4}{6}$
- ☐ $\frac{8}{12} < \frac{9}{12}$
- ☐ $\frac{8}{12} < \frac{6}{8}$

STAAR Released Item

4.3(D) 2019 item 9
[Comparison of Fractions]

Ms. Thompson needs $\frac{15}{2}$ yards of red fabric and $7\frac{1}{2}$ yards of silver fabric. Which comparison is true?

A $\frac{15}{2} > 7\frac{1}{2}$

B $\frac{15}{2} = 7\frac{1}{2}$

C $\frac{15}{2} < 7\frac{1}{2}$

D None of these

Drag and Drop

Ms. Thompson needs $\frac{15}{2}$ yards of red fabric and $7\frac{1}{2}$ yards of silver fabric.

Complete the comparison statement below.

Move the correct answer to the box. Not all answers will be used.

[>] [=] [<]

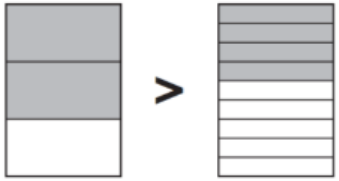
$$\frac{15}{2} \square 7\frac{1}{2}$$

STAAR Released Item	Fraction Model

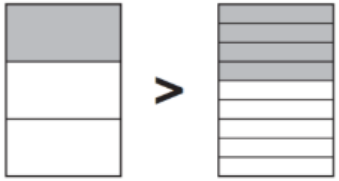
4.3(D) 2016 item 44
[Comparison of Fractions]

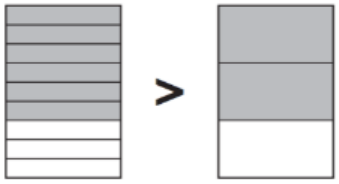
Sergio completed $\frac{2}{3}$ of a project. Julius completed $\frac{4}{9}$ of an identical project. Each student shaded a model to represent the fraction of the project he completed.

Which student completed more of his project?

F Sergio completed more, because 

G Julius completed more, because 

H Sergio completed more, because 

J Julius completed more, because 

Sergio completed $\frac{2}{3}$ of a project. Julius completed $\frac{4}{9}$ of an identical project. Each student shaded a model to represent the fraction of the project he completed.

Complete the fraction model to represent that Sergio completed more of the project than Julius.

Create a model.

Select the total number of parts. 1

Select the number of shaded parts. 1

Create Model

STAAR Released Item

4.3(D) 2015 item 7
[Comparison of Fractions]

Faith has completed $\frac{6}{18}$ of her math homework. Olivia has completed $\frac{4}{9}$ of her math homework. Which of these girls has completed a greater fraction of her math homework?

A Faith, because $\frac{6}{18} > \frac{4}{9}$

B Faith, because $\frac{6}{18} < \frac{4}{9}$

C Olivia, because $\frac{4}{9} < \frac{6}{18}$

D Olivia, because $\frac{4}{9} > \frac{6}{18}$

Inline Choice

Faith has completed $\frac{6}{18}$ of her math homework. Olivia has completed $\frac{4}{9}$ of her math homework.

Choose the correct answer from each drop-down menu to complete the statement.

Choose... completed a greater fraction of her math homework,
Faith
Olivia

because $\frac{6}{18}$ Choose... $\frac{4}{9}$.
>
<

STAAR Released Item

4.3(E) 2019 item 24
[Addition/Subtraction of Fractions]

Zeke used $\frac{3}{4}$ cup white sugar, $\frac{3}{4}$ cup brown sugar, and $2\frac{1}{4}$ cups of flour to bake some cookies.

What was the difference between the amount of flour and the combined amount of sugar Zeke used?

F $3\frac{3}{4}$ cups

G $1\frac{2}{4}$ cups

H $\frac{2}{4}$ cup

J $\frac{3}{4}$ cup

Equation Editor

Zeke used $\frac{3}{4}$ cup white sugar, $\frac{3}{4}$ cup brown sugar, and $2\frac{1}{4}$ cups of flour to bake some cookies.

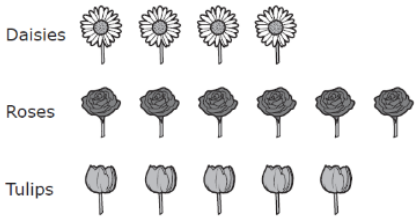
What was the difference between the amount of flour and the combined amount of sugar Zeke used?

Enter your answer in the space below.

STAAR Released Item

4.3(E) 2018 item 18
[Addition/Subtraction of Fractions]

The number of each kind of flower in a vase is shown.



Which expression can be used to find the fraction of flowers in the vase that are daisies or tulips?

F $\frac{6}{6}+\frac{5}{5}$

G $\frac{4}{4}+\frac{5}{5}$

H $\frac{6}{15}+\frac{5}{15}$

J $\frac{4}{15}+\frac{5}{15}$

Drag and Drop

The number of each kind of flower in a vase is shown.

Complete the expression that represents the fraction of flowers in the vase that are daises or tulips.

$\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{4}{15}$ $\frac{5}{15}$ $\frac{6}{15}$

$\frac{\square}{\square}+\frac{\square}{\square}$

STAAR Released Item

4.3(E) 2017 item 18
[Addition/Subtraction of Fractions]

Mrs. Owen ordered two foot-long sandwiches for her three children to share. The picture shows the two sandwiches cut in half. Each child ate half a sandwich.

Which fraction represents the number of sandwiches the children ate?

F $\frac{3}{2}$

G $\frac{2}{3}$

H $\frac{4}{2}$

J $\frac{3}{6}$

Equation Editor

Mrs. Owen ordered two foot-long sandwiches for her three children to share. The picture shows the two sandwiches cut in half. Each child ate half a sandwich.

Which fraction represents the number of sandwiches the children ate?

Enter your fractional answer in the space below.

STAAR Released Item	Multiselect
4.3(F) 2022 item 5 [Addition/Subtraction of Fractions] A store sells bags of potato chips. • $\frac{1}{3}$ of the bags are barbecue-flavored chips. • $\frac{3}{5}$ of the bags are cheese-flavored chips. • The rest of the bags are plain chips. Which statement is true? **A** More than $\frac{1}{2}$ of the bags are plain chips. **B** There are no bags of plain chips. **C** Exactly $\frac{1}{2}$ of the bags are plain chips. **D** Less than $\frac{1}{2}$ of the bags are plain chips.	A store sells bags of potato chips. • $\frac{1}{3}$ of the bags are barbecue-flavored chips. • $\frac{3}{5}$ of the bags are cheese-flavored chips. • The rest of the bags are plain chips. Which **TWO** statements are true. ☐ More than $\frac{1}{2}$ of the bags are cheese-flavored chips. ☐ More than $\frac{1}{2}$ of the bags are plain chips. ☐ Exactly $\frac{1}{2}$ of the bags are plain chips. ☐ Less than $\frac{1}{2}$ of the bags are plain chips.