

EQUIVALENT

FRACTIONS

Solve & Draw

ACTIVATED
EDUCATION

EQUIVALENT FRACTIONS

Solve & Draw

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EQUIVALENT FRACTIONS

Solve & Draw

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Solve and Draw printables for are an easy, no-prep way to make practice with equivalent fractions more engaging. Inspired by a group of reluctant mathematicians with amazing creativity, these printables are designed to engage students in math practice with an artistic twist. This resource may be used as a fun quiz or as a review. Perfect for the sub tub or a math center.

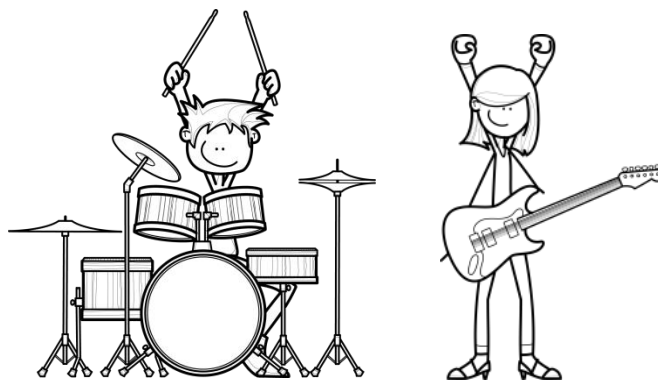
How Solve & Draw Activities Work

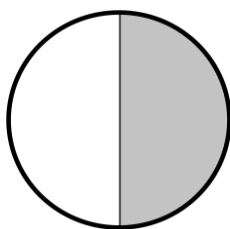
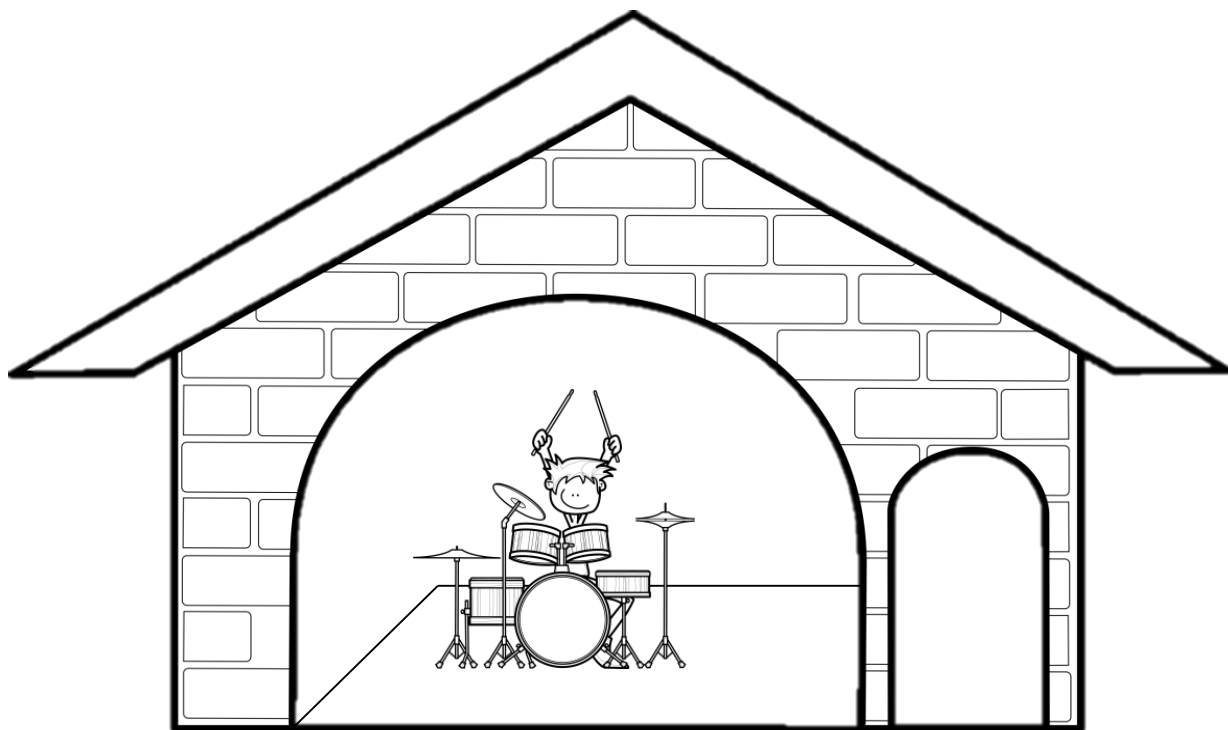
Students solve the fraction problems and add to the drawing based on their answers. Students are directed on what to draw but are able to personalize the item to their preferences and drawing styles. Drawings range from stick figures to anime inspired to cartoons to realistic and everything in between. Drawing is no-prep because it can be done with the student's normal writing utensil (pen or pencil). You may choose to allow colored pencils, crayons, or markers but they are not required. This works well as a homework option for families who may not have those supplies to offer and is a great "print and go" resource for sub days, warm ups, and math centers!

Solve & Draw Fraction Printables work well to extend thinking and for early finishers. An optional challenge page is included that can be copied on the back of the worksheet – this gives students an extension opportunity by asking them to create a math equation that fits one of the incorrect drawing prompts or to create a math equation and their own drawing prompts. They can then add the correct drawings to their own paper or you can share them with the whole class for further practice!

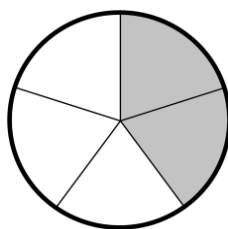
Included Skills

These pages ask students to find the equivalent fraction when given a visual representation of a fraction.

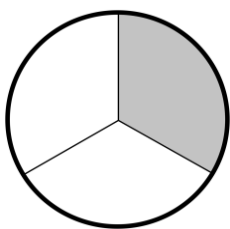




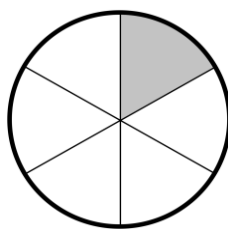
- ☐ If this fraction is equivalent to $\frac{1}{3}$, draw a small bush on the right side of the garage.
- ☐ If this fraction is equivalent to $\frac{2}{4}$, draw a mailbox on the right side of the garage.



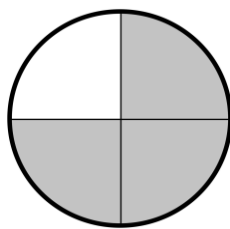
- ☐ If this fraction is equivalent to $\frac{4}{9}$, draw a motorcycle in the garage.
- ☐ If this fraction is equivalent to $\frac{4}{10}$, draw a bicycle in the garage.



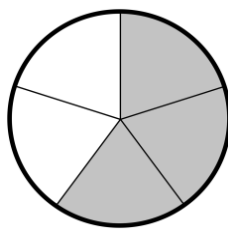
- ☐ If this fraction is equivalent to $\frac{2}{5}$, draw a cat in the doorway.
- ☐ If this fraction is equivalent to $\frac{2}{6}$, draw a dog in the doorway.



- ☐ If this fraction is equivalent to $\frac{2}{12}$, draw a microphone beside the drums.
- ☐ If this fraction is equivalent to $\frac{1}{3}$, draw a big speaker beside the drums.



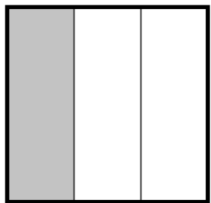
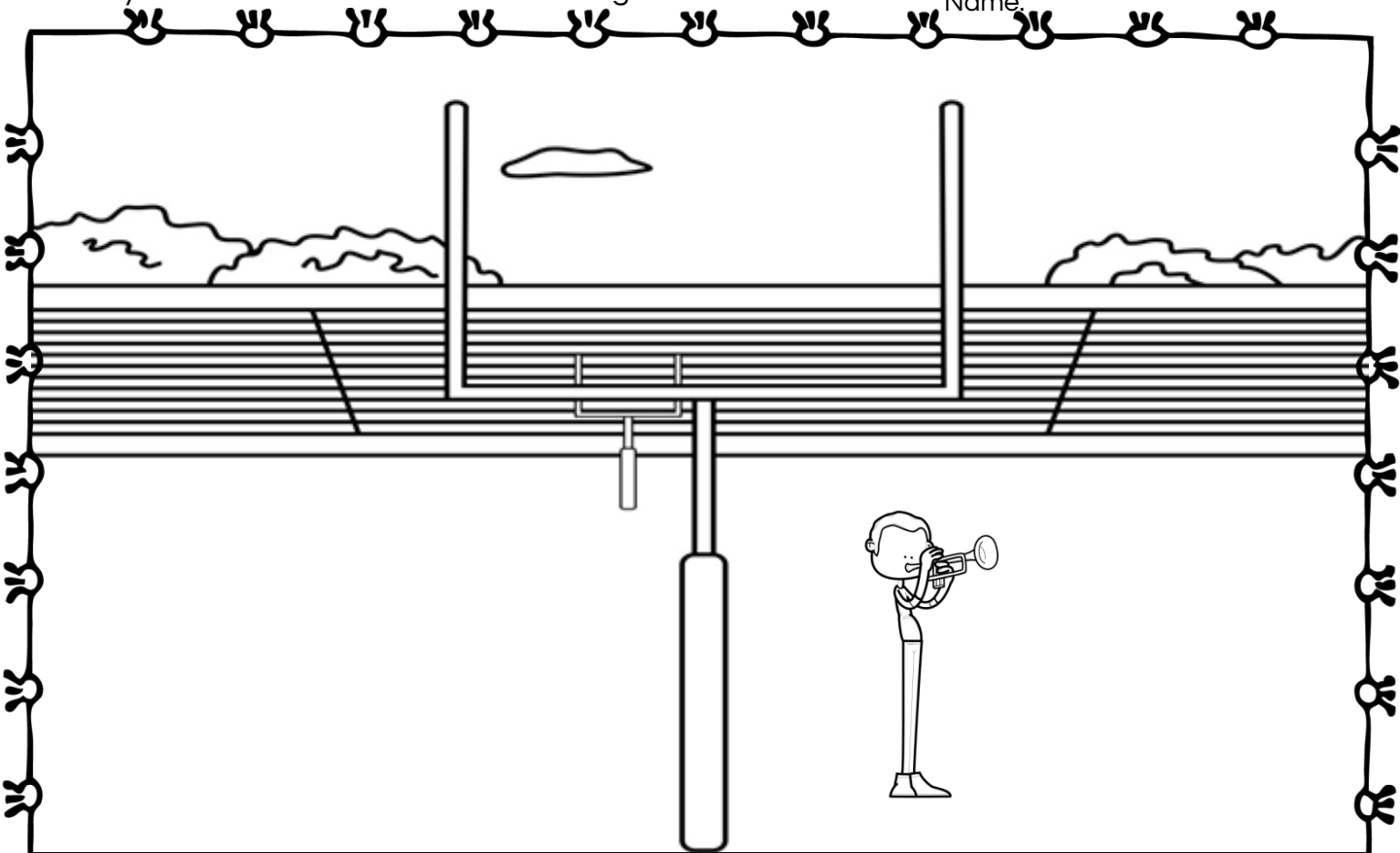
- ☐ If this fraction is equivalent to $\frac{6}{8}$, draw two birds on the rooftop.
- ☐ If this fraction is equivalent to $\frac{3}{2}$, draw one bird on the rooftop.



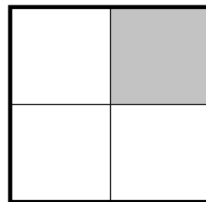
- ☐ If this fraction is equivalent to $\frac{6}{10}$, draw a grumpy neighbor outside the garage.
- ☐ If this fraction is equivalent to $\frac{5}{10}$, write your initials on the bass drum.

Identify the fraction and add to the drawing.

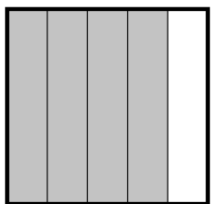
Name: _____



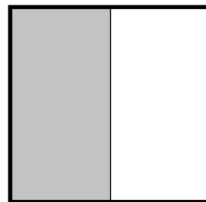
- ☐ If this fraction is equivalent to $\frac{3}{9}$, draw a band hat on the trumpet player.
- ☐ If this fraction is equivalent to $\frac{2}{7}$, draw another trumpet player.



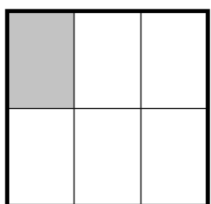
- ☐ If this fraction is equivalent to $\frac{2}{8}$, draw football players in a huddle.
- ☐ If this fraction is equivalent to $\frac{2}{6}$, draw 3 players standing on the sidelines.



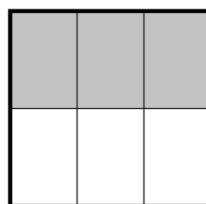
- ☐ If this fraction is equivalent to $\frac{2}{3}$, draw a tuba player.
- ☐ If this fraction is equivalent to $\frac{8}{10}$, draw a your favorite team mascot on the field.



- ☐ If this fraction is equivalent to $\frac{3}{6}$, draw the sun in the sky.
- ☐ If this fraction is equivalent to $\frac{5}{9}$, draw a coach on the sidelines.



- ☐ If this fraction is equivalent to $\frac{1}{3}$, draw a scoreboard above the bleachers.
- ☐ If this fraction is equivalent to $\frac{2}{12}$, draw a blimp in the sky above the bleachers.



- ☐ If this fraction is equivalent to $\frac{2}{7}$, draw a band member holding a flag.
- ☐ If this fraction is equivalent to $\frac{1}{2}$, draw your favorite singer on the field, singing the national anthem.



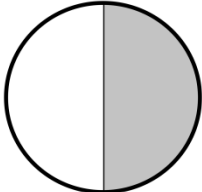
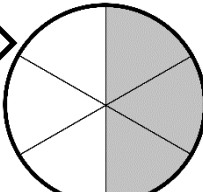
Challenge Page

Name: _____

Challenge #1:

Choose a drawing prompts from the page what was not correct. Draw the correct fraction, and add the drawing to the original page.

Example:

Original Fraction	Drawing Prompts	Equivalent Fraction
	☒ If this fraction is equivalent to $\frac{1}{3}$, draw a small bush on the right side of the garage. ☐ If this fraction is equivalent to $\frac{2}{4}$, draw a mailbox on the right side of the garage.	

Challenge #1 Workspace:

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Challenge #2:

You create a new fraction problem and write two new drawing prompts. Add the correct drawing to your own page.

New Problem

Drawing Prompts

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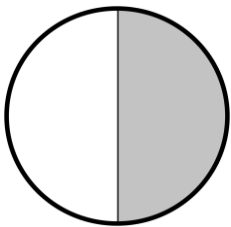
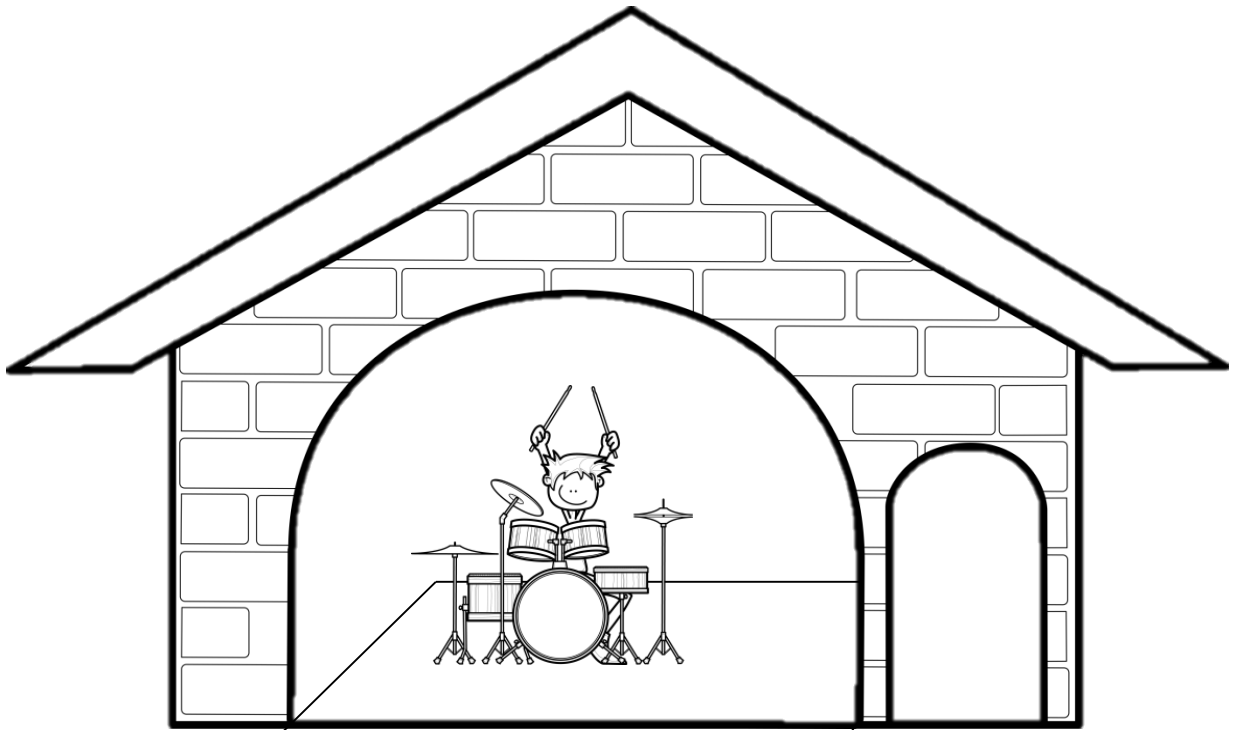
ANSWER KEYS

✓ = correct

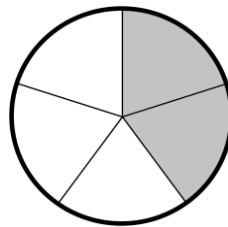
✗ = incorrect

Find the equivalent fractions and add to the drawing.

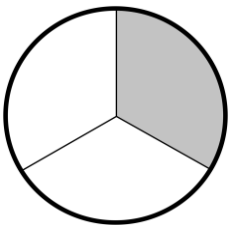
ANSWER KEY



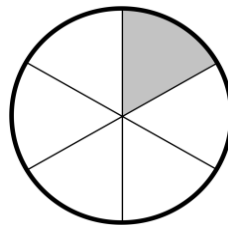
- ☒ If this fraction is equivalent to $\frac{1}{3}$, draw a small bush on the right side of the garage.
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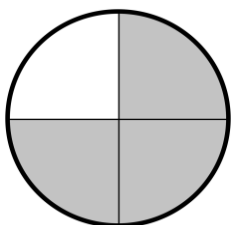
- ☒ If this fraction is equivalent to $\frac{4}{9}$, draw a motorcycle in the garage.
- ☒ If this fraction is equivalent to $\frac{4}{10}$, draw a bicycle in the garage.



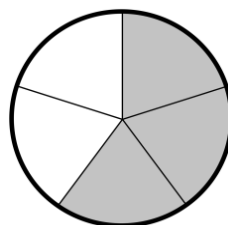
- ☒ If this fraction is equivalent to $\frac{2}{5}$, draw a cat in the doorway.
- ☒ If this fraction is equivalent to $\frac{2}{6}$, draw a dog in the doorway.



- ☒ If this fraction is equivalent to $\frac{2}{12}$, draw a microphone beside the drums.
- ☒ If this fraction is equivalent to $\frac{1}{3}$, draw a big speaker beside the drums.



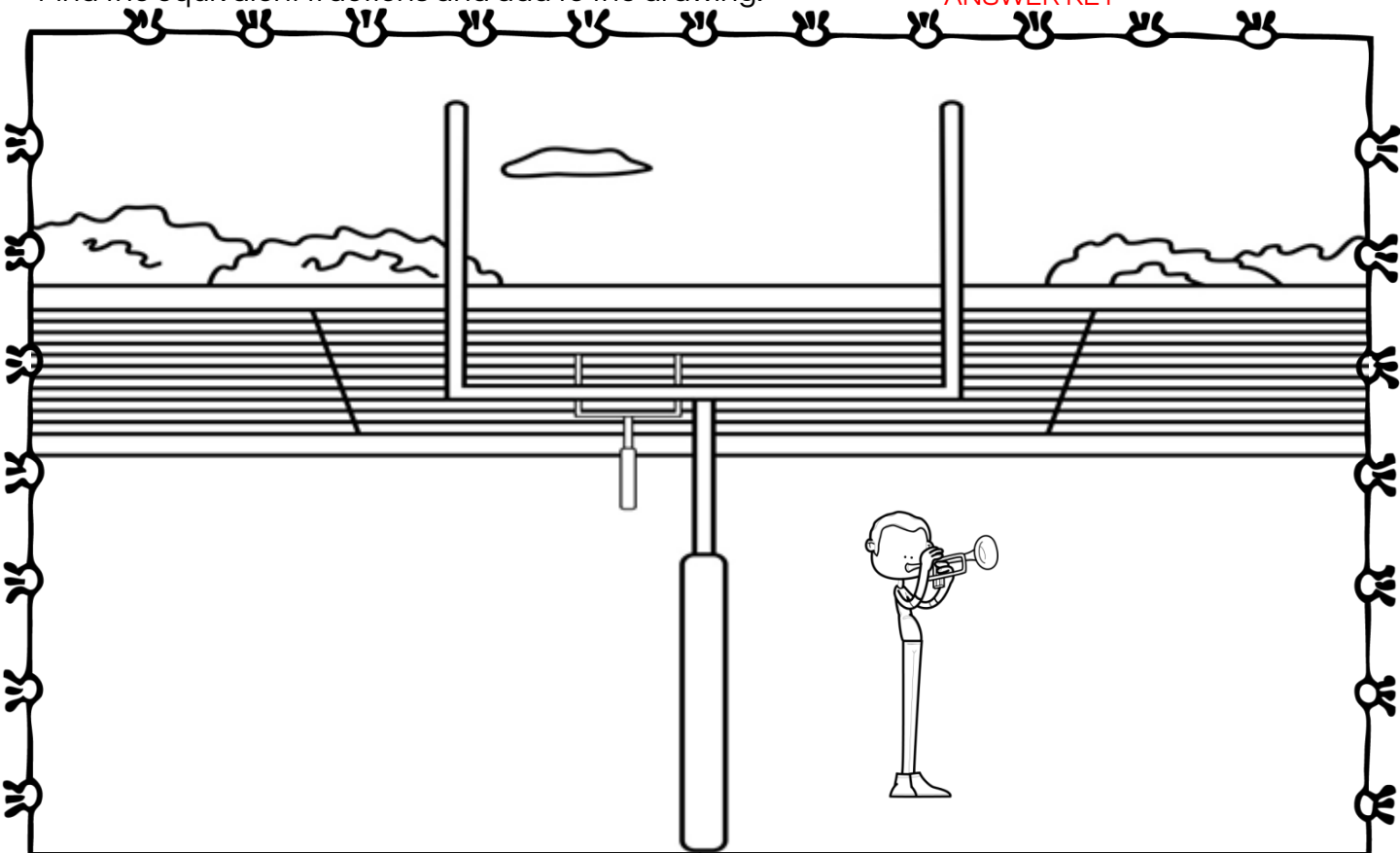
- ☒ If this fraction is equivalent to $\frac{6}{8}$, draw two birds on the rooftop.
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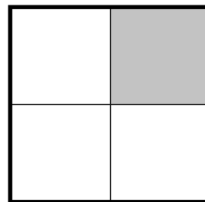
- ☒ If this fraction is equivalent to $\frac{6}{10}$, draw a grumpy neighbor outside the garage.
- ☒ If this fraction is equivalent to $\frac{5}{10}$, write your initials on the bass drum.

Find the equivalent fractions and add to the drawing.

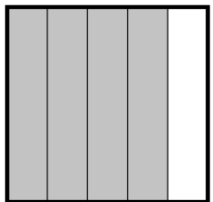
ANSWER KEY



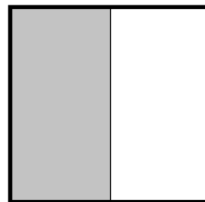
- ☒ If this fraction is equivalent to $\frac{3}{9}$, draw a band hat on the trumpet player.
- ☒ If this fraction is equivalent to $\frac{2}{7}$, draw another trumpet player.



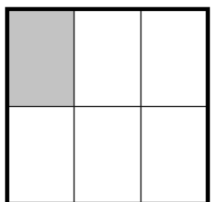
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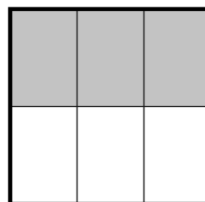
- ☒ If this fraction is equivalent to $\frac{2}{3}$, draw a tuba player.
- ☒ If this fraction is equivalent to $\frac{8}{10}$, draw a your favorite team mascot on the field.



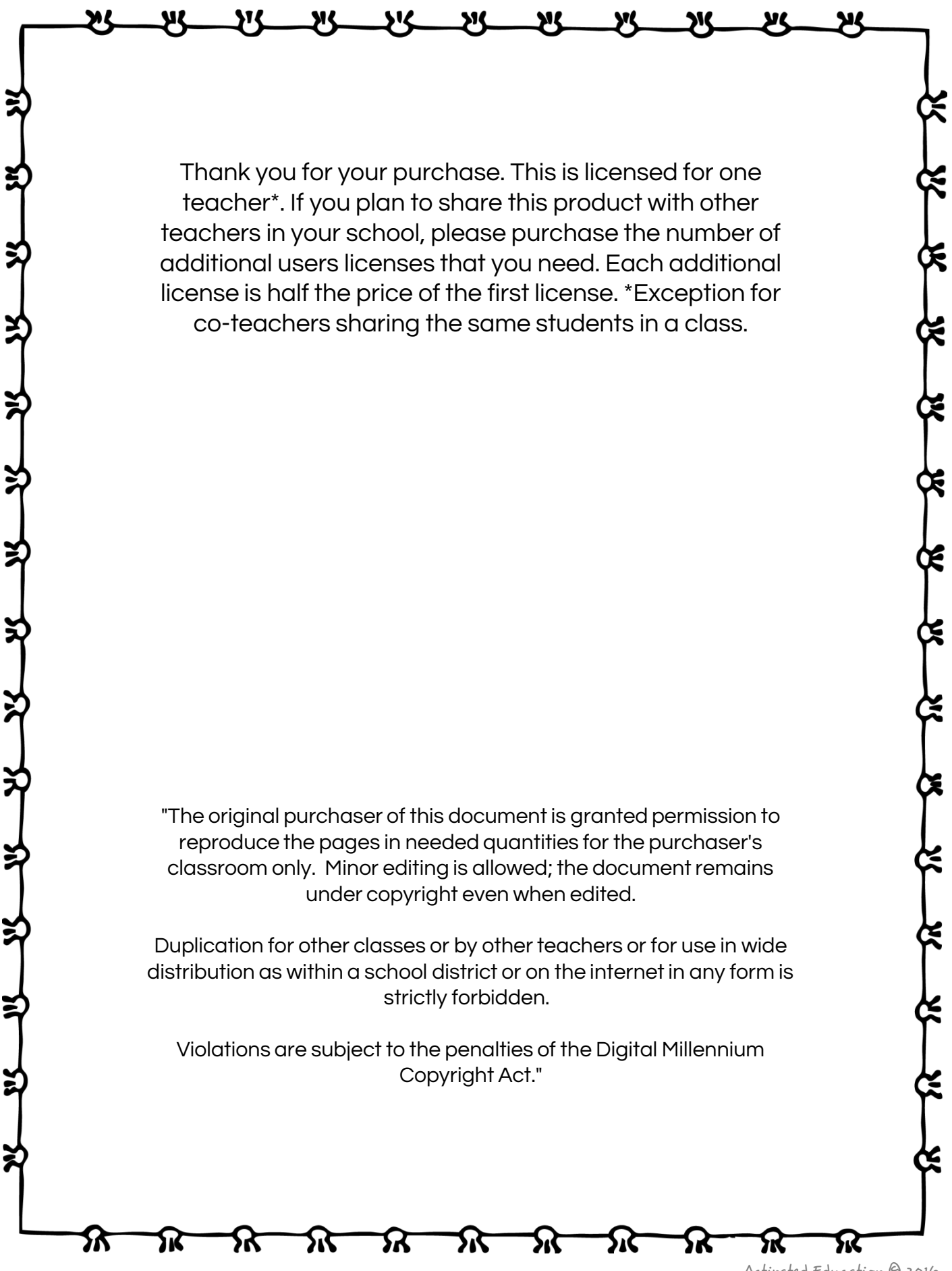
- ☒ If this fraction is equivalent to $\frac{3}{6}$, draw the sun in the sky.
- ☒ If this fraction is equivalent to $\frac{5}{9}$, draw a coach on the sidelines.



- ☒ If this fraction is equivalent to $\frac{1}{3}$, draw a scoreboard above the bleachers.
- ☒ If this fraction is equivalent to $\frac{2}{12}$, draw a blimp in the sky above the bleachers.



- ☒ If this fraction is equivalent to $\frac{2}{7}$, draw a band member holding a flag.
- ☒ If this fraction is equivalent to $\frac{1}{2}$, draw your favorite singer on the field, singing the national anthem.



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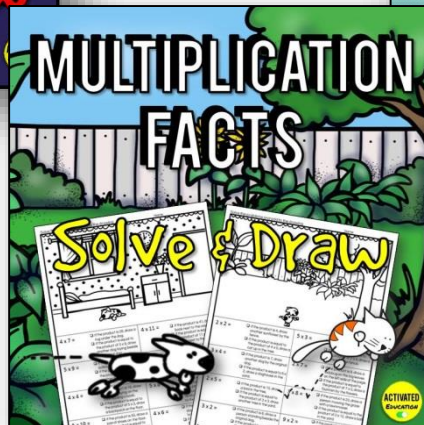
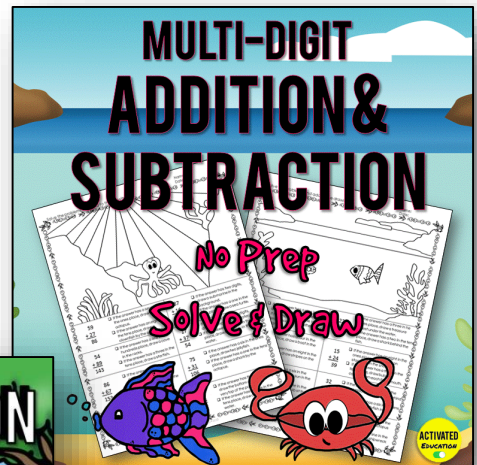
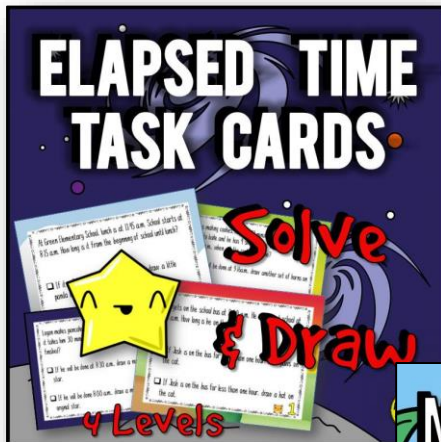


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