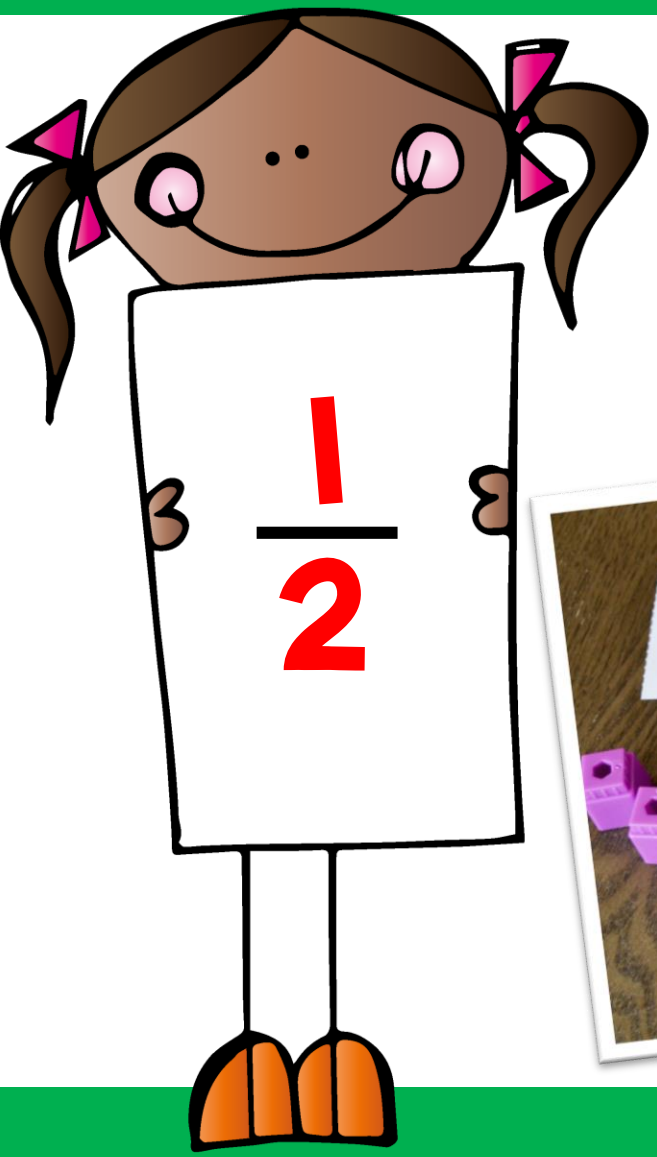
FRACTIONS

HANDS ON LESSONS & ACTIVITIES FOR THE PRIMARY GRADES!



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FRACTIONS

OBJECTIVES:

Students will be able to:

- Identify equal and nonequal parts of shapes and sets.
- Identify ½ of a shape and a set
- Partition a shape in half
- Identify ¼ of a shape and a set
- Partition a shape into fourths
- Identify and create fractions of a set

FRACTIONS

ACTIVITIES:

- Sharing Cookies (equal parts)
- Break me off a piece...
- Fraction Sorts
- Partner Spinner Games
- Pick 'Em (fractions of sets)
- Fraction Set Cards
- Fraction Task Cards
- Printable Practice Pages

ACTIVITY 1.

SHARING COOKIES

Students will work in pairs to look at each cookie and decide if the cookie pieces are equal or not. There are 2 big cookies to use when modeling a lesson on equal and non-equal parts and then 12 smaller cookies for students to use on their own.

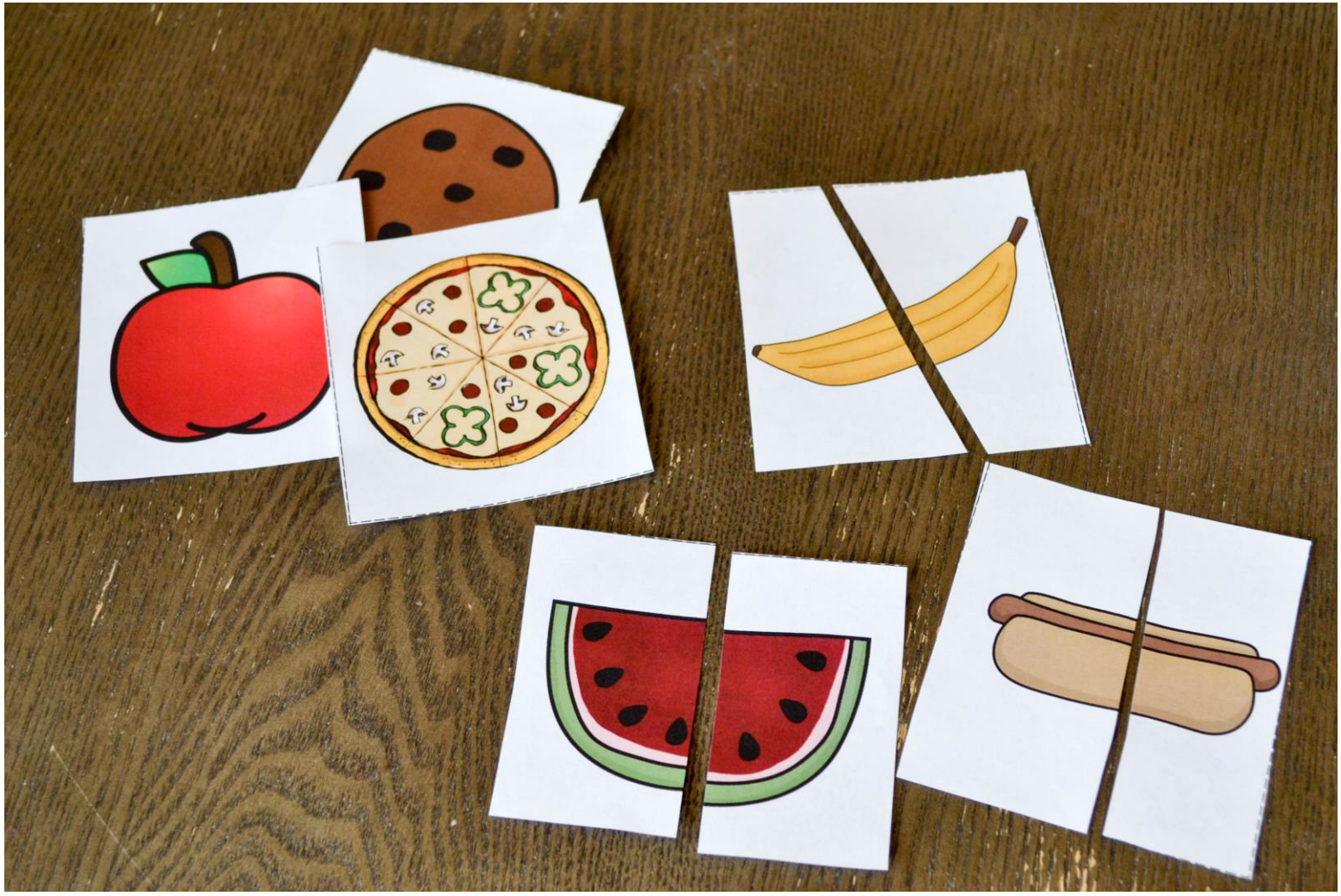
TIPS :

- If students need the extra help, they can cut on the lines to actually see if the cookie parts are equal or not equal
- There are 2 cookies that are split into 4 equal parts instead of 2. It is fun to watch students discuss this and brings up teaching points about equal vs. not equal not always being when something is divided into 2.

ACTIVITY 2.

BREAK ME OFF A PIECE...

In this activity, students practice breaking things in half to share with a friend. I like to cut out a bunch of pictures of food from a magazine for this lesson (or you can use the food cards on the next pages) and students take their scissors to cut the item in half and share.



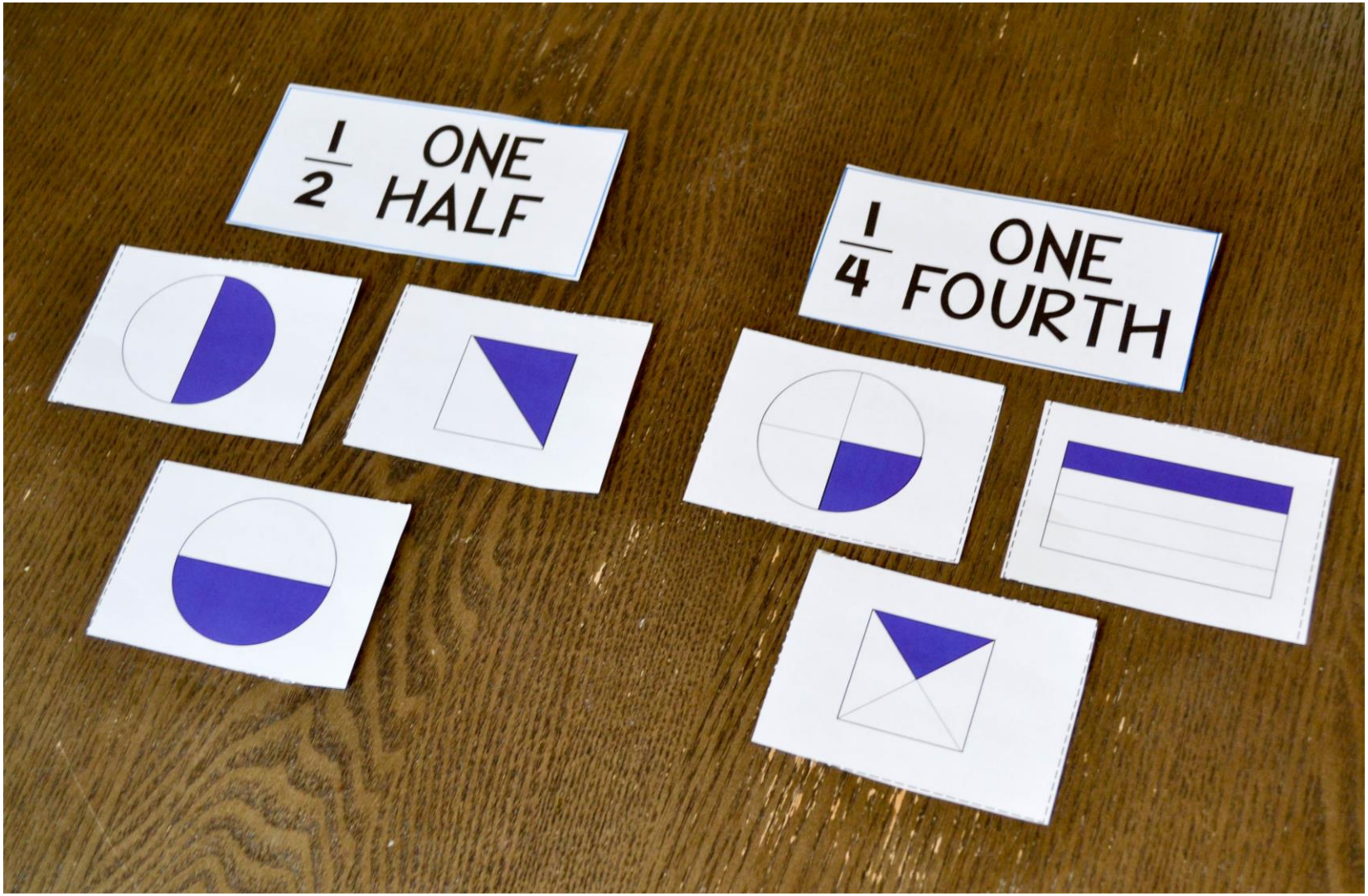
TIPS

- There are 2 large ones for the teacher to use to model.
- I will also sometimes print out 2 sets of the food cards and have students cut one in half and the other in unequal portions.
- You can have your higher groups cut the food into fourths.
- I also like to have students in different groups compare how they shared their piece equally.

ACTIVITY 3.

FRACTION SORTS

After learning about equal vs. not equal and learning the fractions ½ and ¼ students can use these sorts to help practice identifying different fractions. There are two different sorts: EQUAL and NOT EQUAL as well as ONE HALF and ONE FOURTH.



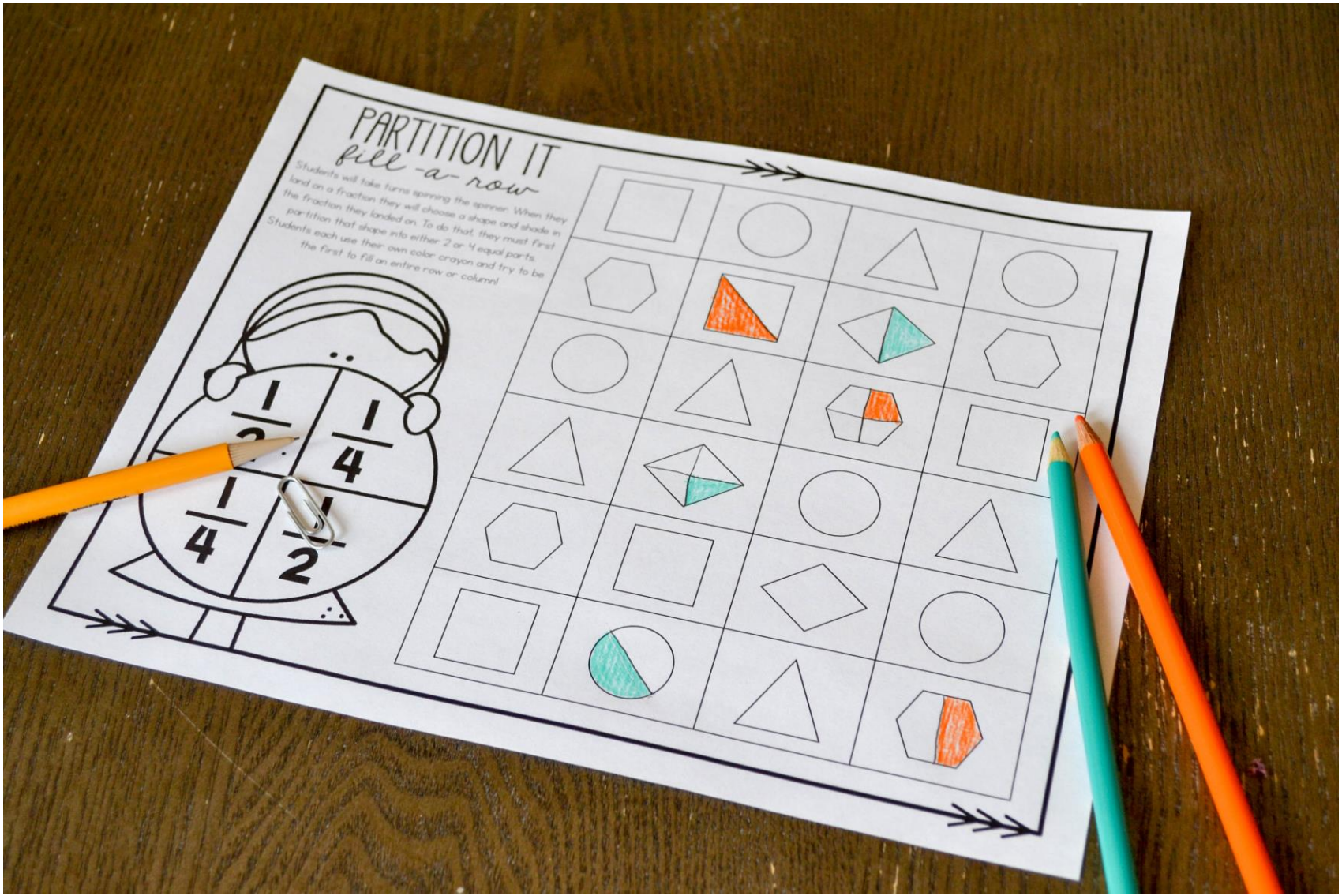
TIPS

- I included a 3rd page for both sorts that includes fractions of a set (instead of just shapes). I first have my students practice the sort with just the shape cards and then a few days later, after teaching about fractions of a set, I shuffle in the set cards and repeat the sort.

ACTIVITY 4.

PARTNER SPINNER GAMES

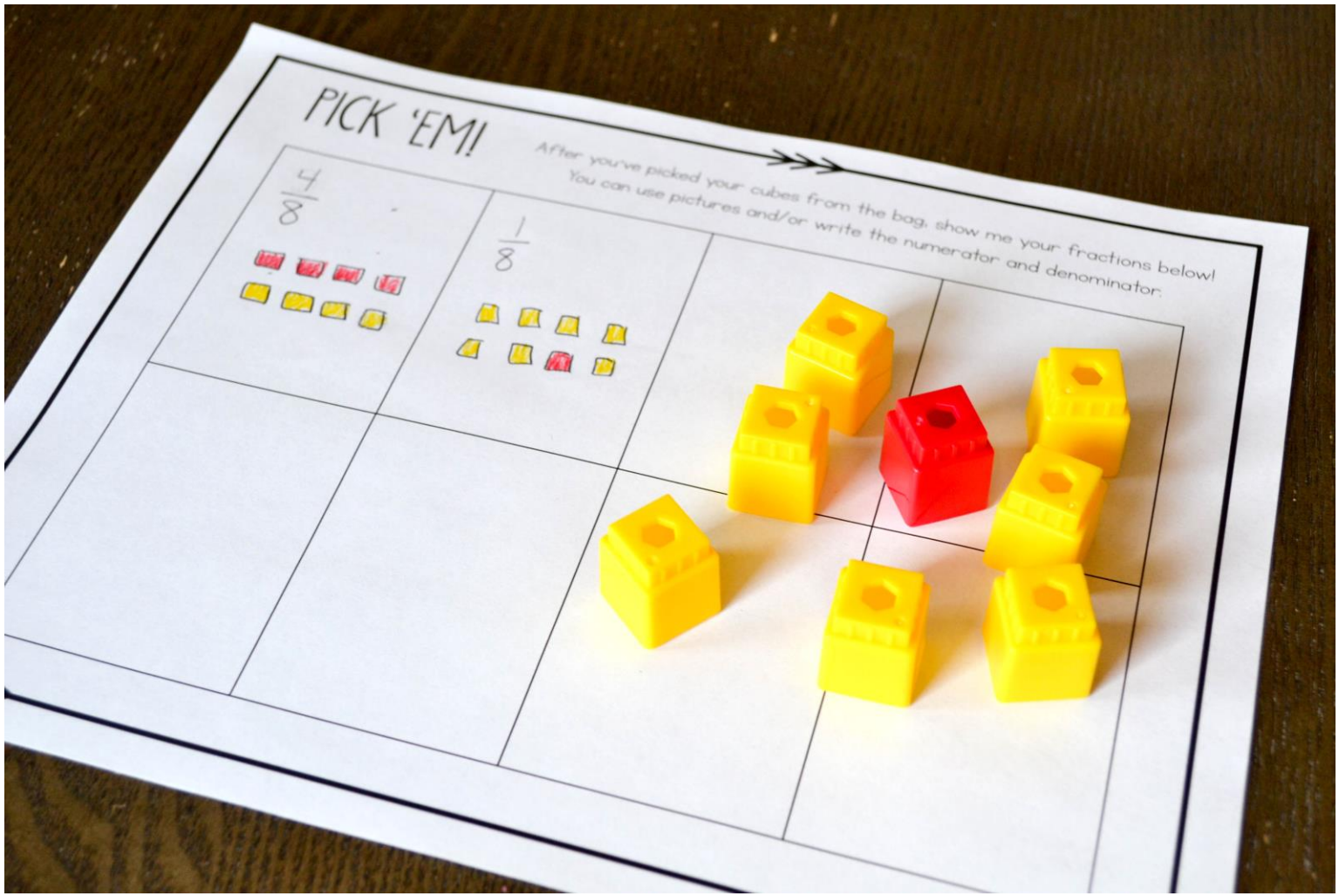
The following games have students both identifying and partitioning fractions. The first two games, Spin & Cover, review identifying equal and not equal parts as well as the fractions ½ and ¼ of shapes. There are also 2 black and white partner games, Partition it, Fill-a-row where students will practice breaking apart shapes into equal pieces and shading one of the parts and Fill a Set where students practice showing fractions of a set.



ACTIVITY 5.

PICK 'EM

Students will close their eyes and pick 8 cubes from the bag and identify the fraction of a set. Before we begin this activity, I put about 10-15 cubes in a bag. The cubes will only be 2 different colors (ie. red and blue). Before students choose their cubes, I explain what color I want them to tell me the fraction of. For example, each time students pick they will tell me what fraction of cubes they picked were RED. After each pick, students will record their fractions on the recording sheet.



TIPS

- For my higher groups, I will add 3-4 different colored cubes and have them identify the fraction shown for each color. (ie: 2/10 red cubes, 4/10 blue cubes, 4/10 green cubes)

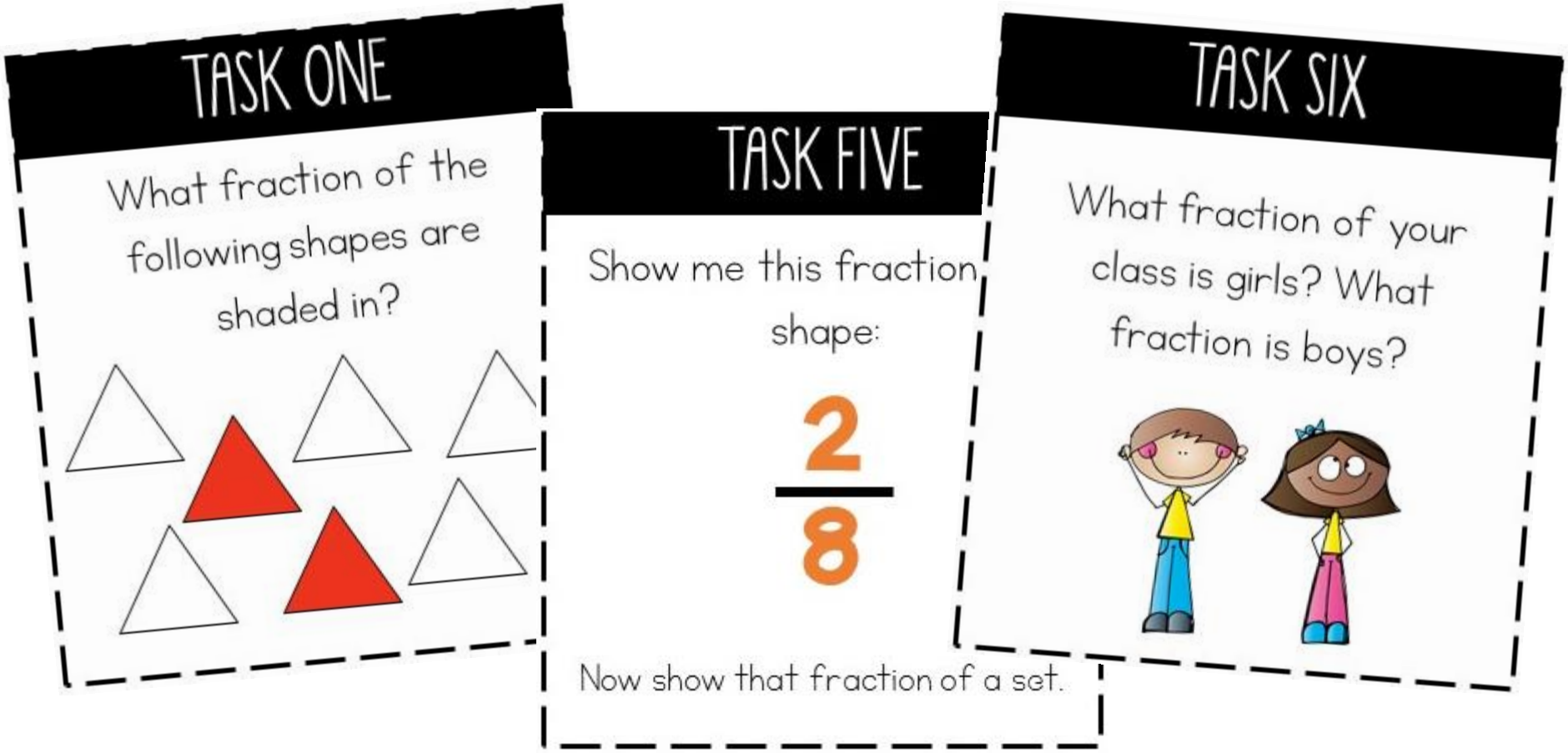
ACTIVITY 6.

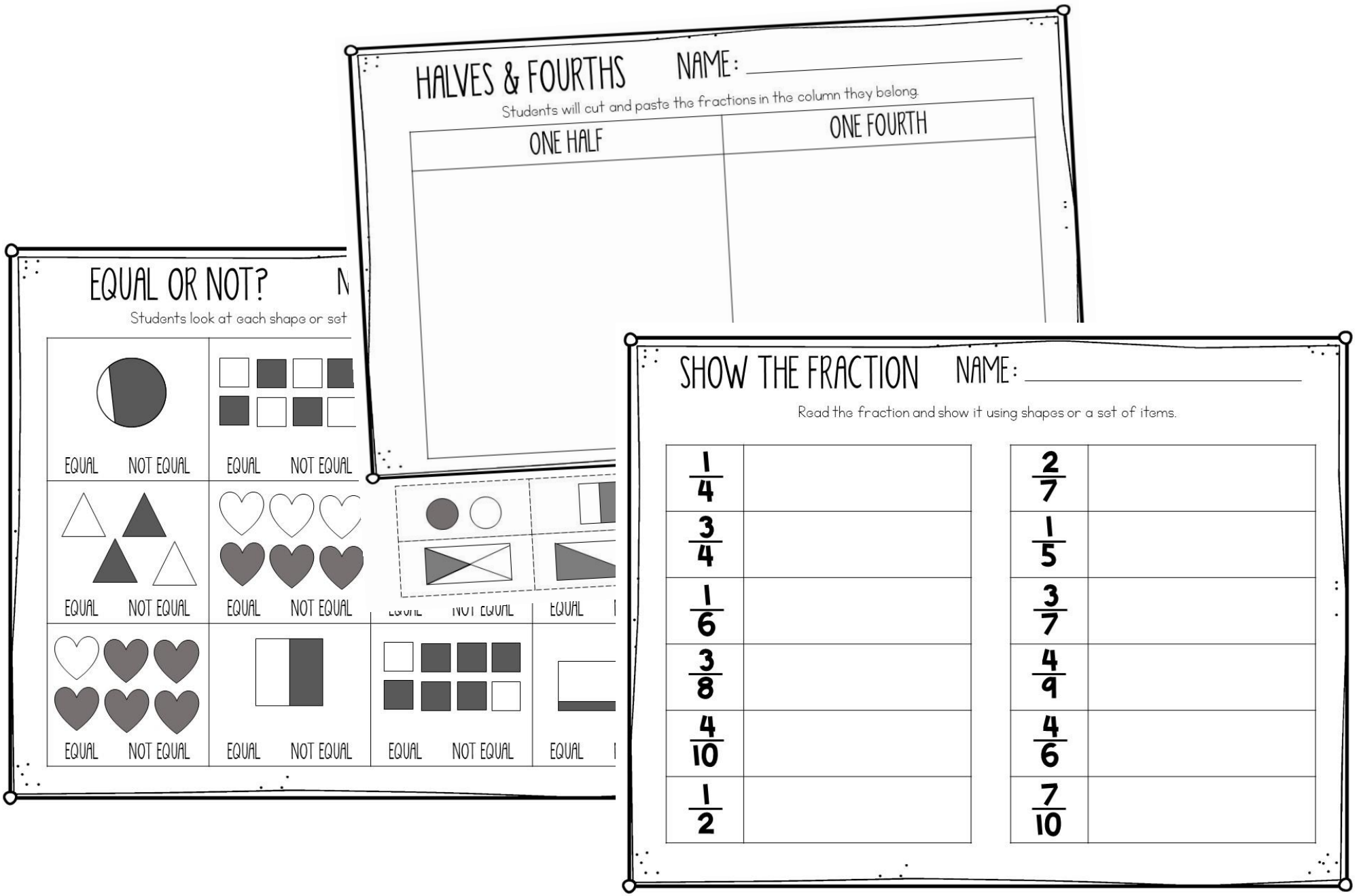
FRACTION SET CARDS

Students will use these cards to practice both showing and identifying fractions of a set. There are 2 different types of cards: Show me cards and Identify it cards. If students pull a show me card, they will either draw a picture or use manipulatives to show that fraction. If students pull an Identify It card, they must identify the fraction being shown on the card. Students can record on the recording sheet with the matching letter.

FRACTION TASK CARDS

These task cards are simple ways to have students practice identifying and creating fractions of shapes and sets. I generally have my students complete these tasks on a blank piece of paper or in their math journals as each task is different.



PRACTICE PAGES

Students can use these 6 different printables to practice what they have learned about 2D and 3D shapes throughout the unit.