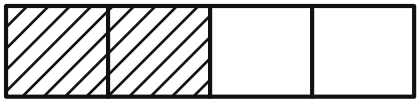
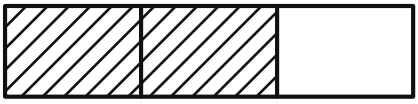
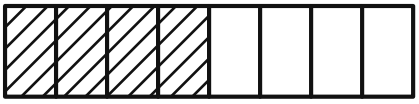
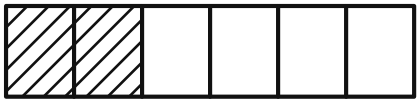
Fraction Memory Match

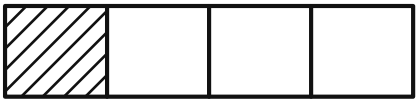
Print on card stock, or glue to thin card, so the cards do not show through. Cut out the 12 cards.

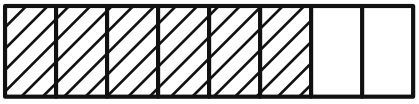
$\frac{2}{4}$ 

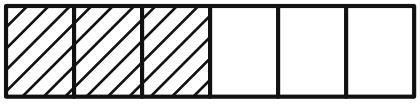
$\frac{2}{3}$ 

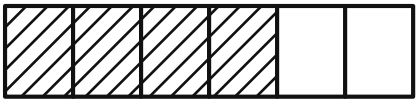
$\frac{4}{8}$ 

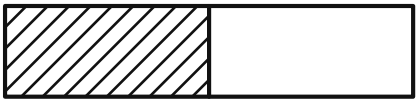
$\frac{2}{6}$ 

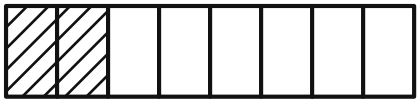
$\frac{1}{4}$ 

$\frac{6}{8}$ 

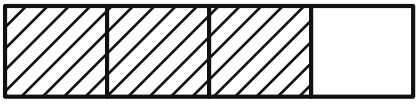
$\frac{3}{6}$ 

$\frac{4}{6}$ 

$\frac{1}{2}$ 

$\frac{2}{8}$ 

$\frac{1}{3}$ 

$\frac{3}{4}$ 

Fraction Memory Match: How to Play

Every turn asks one question: are these two the same amount?

How to play

1. **You need** the 12 cards, cut out and face down. Play with two or more.
2. **Turn over two.** Compare the fractions and the shaded bars. If the shaded amounts are the same, say so, such as "two fourths and one half are the same amount", keep the pair, and go again.
3. **If they are not the same amount**, turn them back over. The next player goes.
4. **The most pairs wins.** Two cards match when their amounts are equal, so 1/2 pairs with 2/4, 3/6, or 4/8, and any of those pairs is right.

Answer key: the same amount

Any two fractions in one row match. Every row has an even number of cards, so no card is left over.

$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$

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

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

$\frac{1}{4} = \frac{2}{8}$

$\frac{3}{4} = \frac{6}{8}$

For Grown-Ups: How to Use These Cards

One game at a sitting, on card stock. For third grade.

Why use it

Equivalent fractions are one amount with two names, and third graders show this with a model (3.NF.A.3a, 3.NF.A.3b; TEKS 3.3(F), (G)). Since 1/2 and 2/4 are the same amount, the rule of this game is the amount: any two cards that show the same amount match, and the shaded bar lets your child check. The rule of multiplying the top and the bottom comes in fourth grade, so the drawing comes first. If you learned the rule first, this way will look different.

What it is good for

- Seeing that different numbers can name the same amount.
- Comparing two shaded bars of one length.
- Saying why two fractions match.

How to use it

1. Print on card stock, cut out the 12 cards, and lay them face down.
2. On your turn, turn over two and compare the shaded amounts.
3. If they are the same, say so, keep the pair, and go again.
4. The player with the most pairs wins. Check a pair with the answer key, where the groups are in red.

> **Try saying:** “Do these two show the same amount? How can you tell?”

Tip: A fixed partner for each card would call a right pair wrong. Here 1/2 can pair with 2/4, 3/6, or 4/8, so accept any two equal cards.