

TIPS

1. Look at the denominator first and place the appropriate rings.
2. Once the rings are in place, look at the numerator. Always make sure to turn over ALL of the eggs within a ring. There should never be a mix of brown and white eggs within one ring.
3. After each card is played, organize your rings and turn your eggs to either all brown or all white to get ready for the next card. This will minimize confusion as you race to create the next fraction.
4. Even if the other team is done, complete your fraction. If you are correct but the other team is not, you'll win the card.

EI-3215

2 Players or teams
Ages 8+/Grades 3+



Free-Range Fractions Game™



A head-to-head, farm-fresh fraction frenzy!



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CONTENTS

- Two egg cartons
- 24 two-tone eggs
- 54 denominator rings in 5 colors (4 brown halves, 6 gray thirds, 8 yellow fourths, 12 orange sixths, and 24 purple twelfths)
- 45 cards (44 playing cards plus 1 cover card)

SETUP

- Divide the players into two teams.
- Each team takes 1 egg carton, 12 eggs, and the following rings: 2 brown halves, 3 gray thirds, 4 yellow fourths, 6 orange sixths, and 12 purple twelfths. Teams may wish to arrange their denominator rings into 5 single-color piles.
- Shuffle the cards and place them face up on the table with the cover card on top.
- Put the eggs in the cartons with either all of the brown sides facing up, or all of the white sides facing up.
- Keep your egg carton lid raised so the other team cannot see your eggs. If necessary, use the tab on the side of the carton to help hold up the lid.



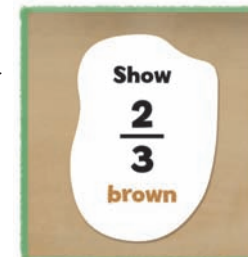
OBJECT OF THE GAME

Be the first team to earn 10 cards.

HOW TO PLAY FREE-RANGE FRACTIONS™

Teacher note: Before starting the game, demonstrate how to play with a few practice cards so that all of your students understand how to form the fractions with eggs and denominator rings.

1. Remove the card just beneath the cover card so that everyone can see it. Teams race to place the denominator rings (see #2) and turn over eggs (see #3) to form the fraction shown on the card.



2. First, teams choose the denominator rings that correlate with the denominator shown on the card. Players use only rings of that color to cover all twelve eggs. In this example, the denominator is 3, so students would cover their eggs with all three gray thirds rings.



3. Next, look at the numerator and turn over all the eggs in the number of rings that is the same as the numerator. In this example, the numerator is 2, so students would turn over all the eggs in two rings. There are now 8 brown eggs and 4 white eggs.



4. The first team to finish yells, "Cluck! Cluck!" The other team should still finish making the fraction in case their opponents are wrong.
5. Turn over the card to see the answer on the back. If the first team is correct, they keep the card. If they are not correct and the second team is correct, then the second team keeps the card. If neither team is correct, the card goes back to the bottom of the pile. Teams should check each other's work.
6. The first team to earn 10 cards wins!