



Work Place Instructions 7A Dozens of Eggs page 1 of 2

Each pair of players needs:

- 2 Dozens of Eggs Record Sheets
- 1 deck of Dozens of Eggs Fraction Cards
- 1 egg carton
- 6 pieces of string or yarn
- 12 colored tiles
- colored pencils or crayons

1 Players shuffle the fraction cards and lay them face-down in a stack. Each player draws one card. The player with the larger fraction goes first. Players put the cards just drawn at the bottom of the stack. Players may build fractions on the Egg Carton Diagram if needed to determine which fraction is larger.

2 Player 1 draws a card from the top of the deck, reads the fraction out loud, and uses string and colored tiles to build a model of the fraction in the egg carton. Player 2 checks Player 1's work.

Jasmine Wow! I got a really big fraction on my first turn. So I'm going to divide the egg carton into 3 equal parts, and fill 2 of them, like this.

Sara I agree that $\frac{2}{3}$ of the egg carton is 8 eggs, because there are 4 eggs in one-third of a carton.

3 Player 1 draws circles to represent that number of eggs in one of the diagrams on her record sheet and records that number of twelfths as a fraction on the sheet.

Jasmine I have to change $\frac{2}{3}$ into twelfths, but that's easy, because each egg is one-twelfth of the carton, so I got $\frac{8}{12}$ on my first turn. I only need 4 more twelfths to fill this carton. Player 1 empties the egg carton diagram and puts the card in a discard stack. Then Player 2 takes a turn.

4 Players continue to take turns until one person has filled in all four cartons on the record sheet. Players should use a different color to record each new turn.

When all the cards in the deck have been used, shuffle the deck and use it again.

5 On each turn, players must put all of the eggs in one carton. However, players may begin to fill another carton before the first is completely filled.

6 If the fraction drawn does not fit into one of the cartons, the player misses that turn.

(continued on next page)

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- 7 When a carton is filled, the player writes an equation by inserting plus signs between the fractions for that carton and showing them equal to 1 whole.

Unit 7 Module 3 | Session 5 class set, plus more as needed stored in the Work Place bin

NAME Jasmine DATE _____

7A Dozens of Eggs Record Sheet

Game 1	Game 2
<p>Equation: $\frac{2}{12} + \frac{2}{12} + \frac{2}{12} = 1$</p>	<p>Equation: _____</p>
<p>Equation: _____</p>	<p>Equation: _____</p>
<p>Equation: _____</p>	<p>Equation: _____</p>
<p>Equation: _____</p>	<p>Equation: _____</p>

- 8 The winner is the first player to fill all four cartons on his record sheet. If Player 1 is the first to fill all four cartons, Player 2 may take one last turn.

Game Variations

- A** Players work together to fill all four cartons on a single record sheet rather than playing against each other.
- B** Players begin with all four cartons filled, by drawing 12 circles in each of the cartons and writing $\frac{12}{12}$ at the start of each equation line. Then each player subtracts the fractions that are written on the cards they get, crossing out that many eggs and subtracting that many twelfths. Players must subtract the entire fraction from one carton rather than splitting the fraction between two or more cartons. The winner is the first player to get rid of all the eggs from all four cartons.

NAME _____

DATE _____



7A Dozens of Eggs Record Sheet

Game 1	
Equation	
Equation	
Equation	
Equation	

Game 2	
Equation	
Equation	
Equation	
Equation	

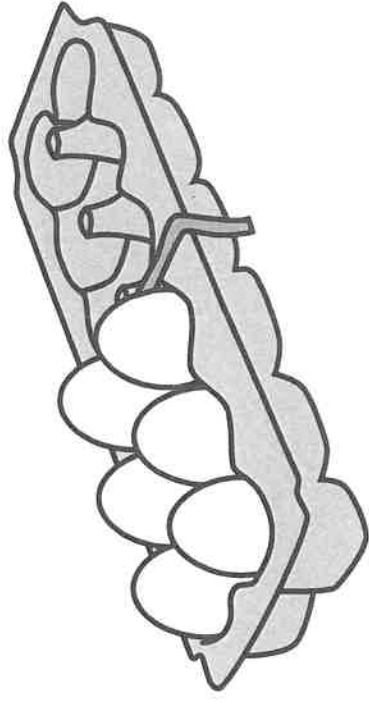
Game 3	
Equation	
Equation	
Equation	
Equation	

Game 4	
Equation	
Equation	
Equation	
Equation	

I pulled the _____ card.
number

The denominator is _____.
number

The numerator is _____.
number



First I divide the egg carton into _____ shares.
number

Then I fill in _____ shares of size _____.
number unit fraction

When I add _____ to _____ the sum is _____.

number

number

number

I can change the fraction _____ into twelfths.

number

I need _____ shares of size one-twelfth.

number

12 is my denominator and

_____ is my numerator.

number

