

This is a game for two or three players.

Materials Needed: One board per player
Counters to be the Chocolate Chips
16 see through counters per player

Rules:

Players take turns to:

- Cover a fraction and a number on their playing Board, eg. $\frac{1}{4}$, 12
- Work out the answer to the fraction of the number, eg. $\frac{1}{4}$ of 12, in their head. The answer must be a whole number or they lose that turn.
- If another player disagrees with their answer they may challenge. The answer is then worked out by sharing counters on the correct cheesecake, eg. 24 counters shared between the sections of the quarter cheesecake.
- If the challenger is correct they can remove one number counter and one fraction counter from the players board. If the player is correct the challenger has two counters removed.
- If a player gets stuck they may use a turn to take a fraction and a number counter off their own board.
- The first player to cover all their numbers and fractions wins.

Extension:

Change the fractions on each board by changing the numerator to other than one while keeping the denominators the same. This will require students to find non-unit fractions of amounts, eg $\frac{2}{3}$ of 18.

$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{10}$
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24	16	21	20	12	18	15	14
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$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{10}$
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14	18	15	22	30	16	28	20
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$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{10}$
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10	30	50	6	21	35	14	24
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$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{10}$
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18	15	24	26	16	10	42	12
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$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{10}$
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24	16	21	20	12	18	15	14
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$\frac{1}{2}$	$\frac{2}{3}$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{1}{6}$	$\frac{4}{7}$	$\frac{5}{8}$	$\frac{4}{10}$
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24	16	21	20	12	18	15	14
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