

# Addition, subtraction and equivalent fractions: I Can make It game

## How to play

Purpose: To apply knowledge of equivalent fractions to solving problems.

This is a game for two players. Story cards and fraction cards are shuffled and placed face down in two piles. Each player takes two story cards and 6 fraction cards and places them face up in front of them. Players take turns to:

- Check if one of their fraction cards allows them to answer one of the problems, one the problem card. If so, the player matches the two cards and puts the two cards together as a pair. Player Two checks the match.
- Whether they can make a pair or not the player adds an extra fraction and problem card from the two piles, or they propose a swap of one of each type of card with the other player.

The winner is the player that makes the most pairs.

Note: There will be 7 fraction cards left over because some are 'trick' cards

## Print the cards, laminate and cut into separate cards

$\frac{9}{12}$	$\frac{8}{12}$	$\frac{5}{10}$	$\frac{15}{20}$	$6 \frac{12}{20}$
$\frac{4}{12}$	$\frac{3}{12}$	$\frac{3}{15}$	$\frac{8}{20}$	$\frac{18}{24}$
$2 \frac{5}{20}$	$6 \frac{15}{20}$	$\frac{5}{15}$	$\frac{11}{12}$	$\frac{10}{12}$
8	$2 \frac{18}{20}$	$\frac{8}{24}$	$\frac{8}{12}$	$1 \frac{9}{12}$
$6 \frac{16}{20}$	$\frac{1}{10}$	$\frac{12}{24}$	$2 \frac{3}{12}$	$2 \frac{4}{20}$
$\frac{6}{12}$	$\frac{2}{10}$	$\frac{21}{24}$	$1 \frac{2}{12}$	$2 \frac{4}{12}$

**Print the scenario cards, laminate and cut into separate cards**

Sally had  $\frac{3}{4}$  of a metre of purple fabric. She gave  $\frac{2}{5}$  of a metre to Rua to make a bag. How much fabric did Sally have left?

Archie ate  $\frac{1}{3}$  of his pizza, Mapua ate  $\frac{1}{2}$  of his and Brian ate  $\frac{7}{8}$  of his pizza. How much of the three pizzas was left over for them to share for supper?

Two friends were on a journey. They walked  $\frac{1}{5}$  of the way then rested. Then they walked  $\frac{1}{3}$  of the total distance then rested again. How much of the journey was left?

The gardeners were shifting a big pile of dirt. Tom shifted  $\frac{1}{10}$  of the pile, Maryanne shifted  $\frac{1}{5}$  of the pile and Tane, a fast worker, shifted  $\frac{1}{2}$  of the pile. How much of the pile did they shift altogether?

Jane had been fishing. She caught  $6\frac{3}{4}$  kg of fish. She gave  $2\frac{9}{10}$  kg to Luca. How many kilograms of fish did Jane have left?

Ava and Zoe were mixing drink so that it tasted just right. It was too strong so Zoe added  $\frac{1}{2}$  cup of water. "Still too strong", said Ava. Zoe added  $\frac{1}{3}$  cup. "Still too strong." Finally Zoe added  $\frac{1}{4}$  cup of water. "Perfect!" How much water did Zoe add? The girls wanted to remember for next time.

Hine was training for the marathon by running in different places each day. On Monday she ran  $2\frac{1}{4}$  km, on Tuesday  $6\frac{4}{5}$  km and on Wednesday 8 km. How far has she run so far this week?

Pene had  $\frac{3}{4}$  tank of petrol in her car before her trip. She used  $\frac{2}{3}$  of a tank going to Auckland and back. How much petrol was left in the tank after her trip?

Chris was baking cakes, scones and bread. She had 5 cups of flour in her flour jar. She needed  $1\frac{3}{4}$  cups,  $2\frac{1}{3}$  cups and  $1\frac{1}{6}$  cups of flour. Did she have enough in her jar?