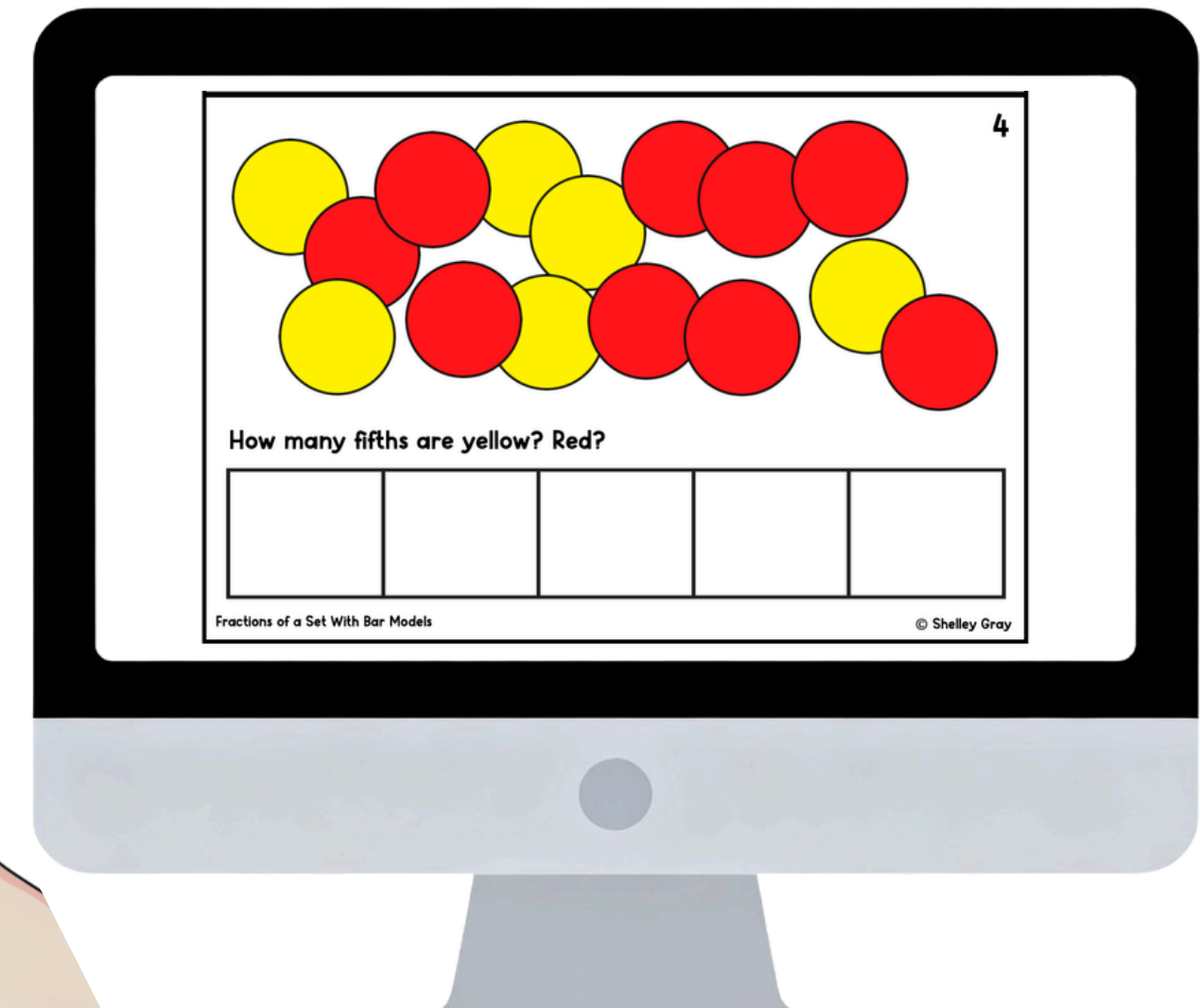
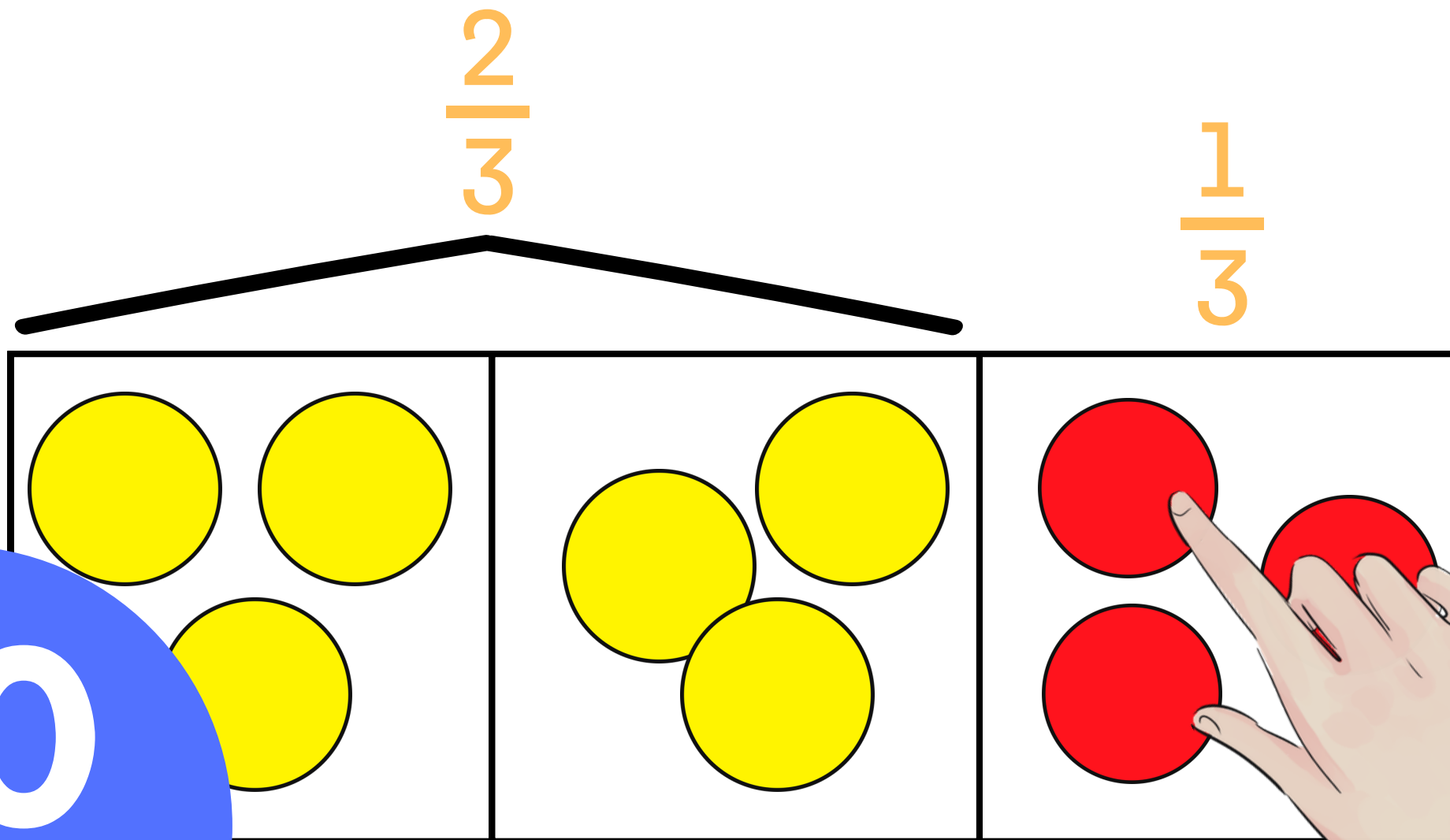


FRACTIONS OF A SET

WITH BAR MODELS

SHELLEY GRAY



20
PUZZLES

DIGITAL & PRINTABLE

Bar models are a fantastic tool for working visually with fractions of a set.

When kids can **SEE** math, they **UNDERSTAND** it!

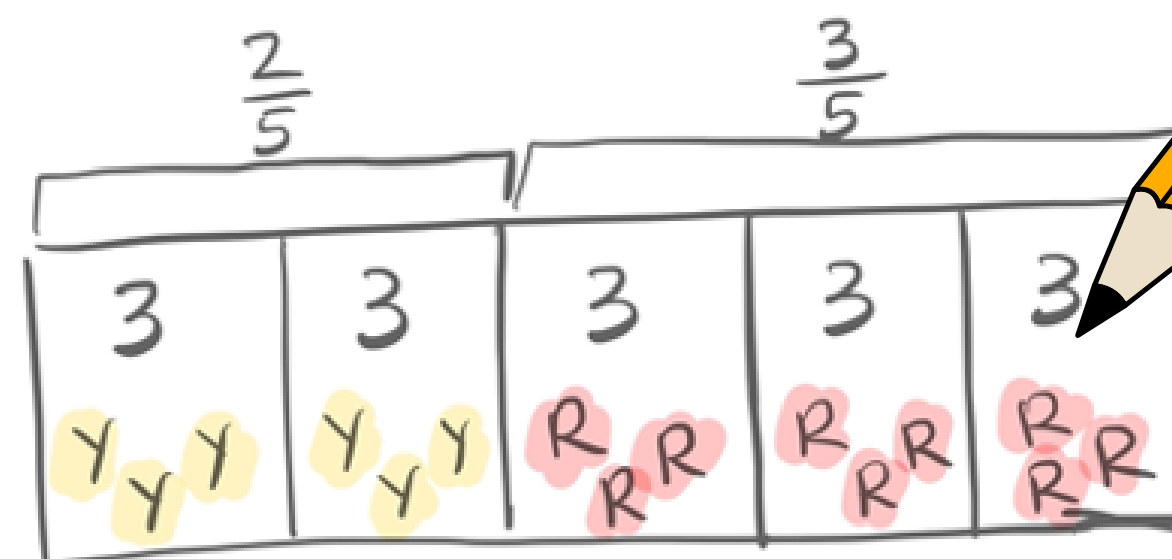
DEEP THINKING

How many fifths are yellow? Red?

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© Shelley Gray

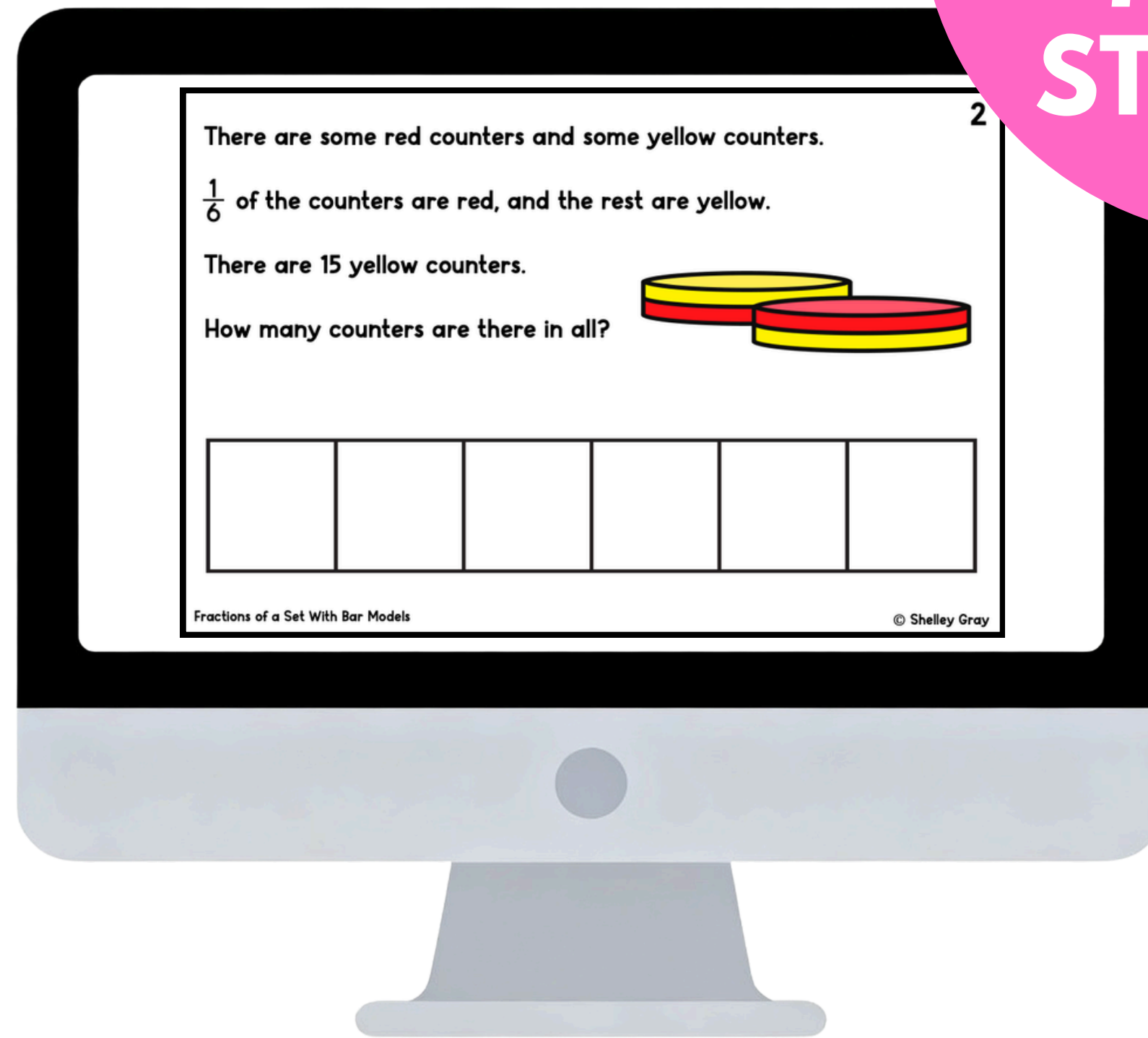
Fractions of a Set With Bar Models



This resource includes twenty tasks, designed to promote **deep thinking** and **conceptual understanding** of fractions.

Tasks are provided in both task card form and digital form. Use them for small math groups or as a whole-class activity.

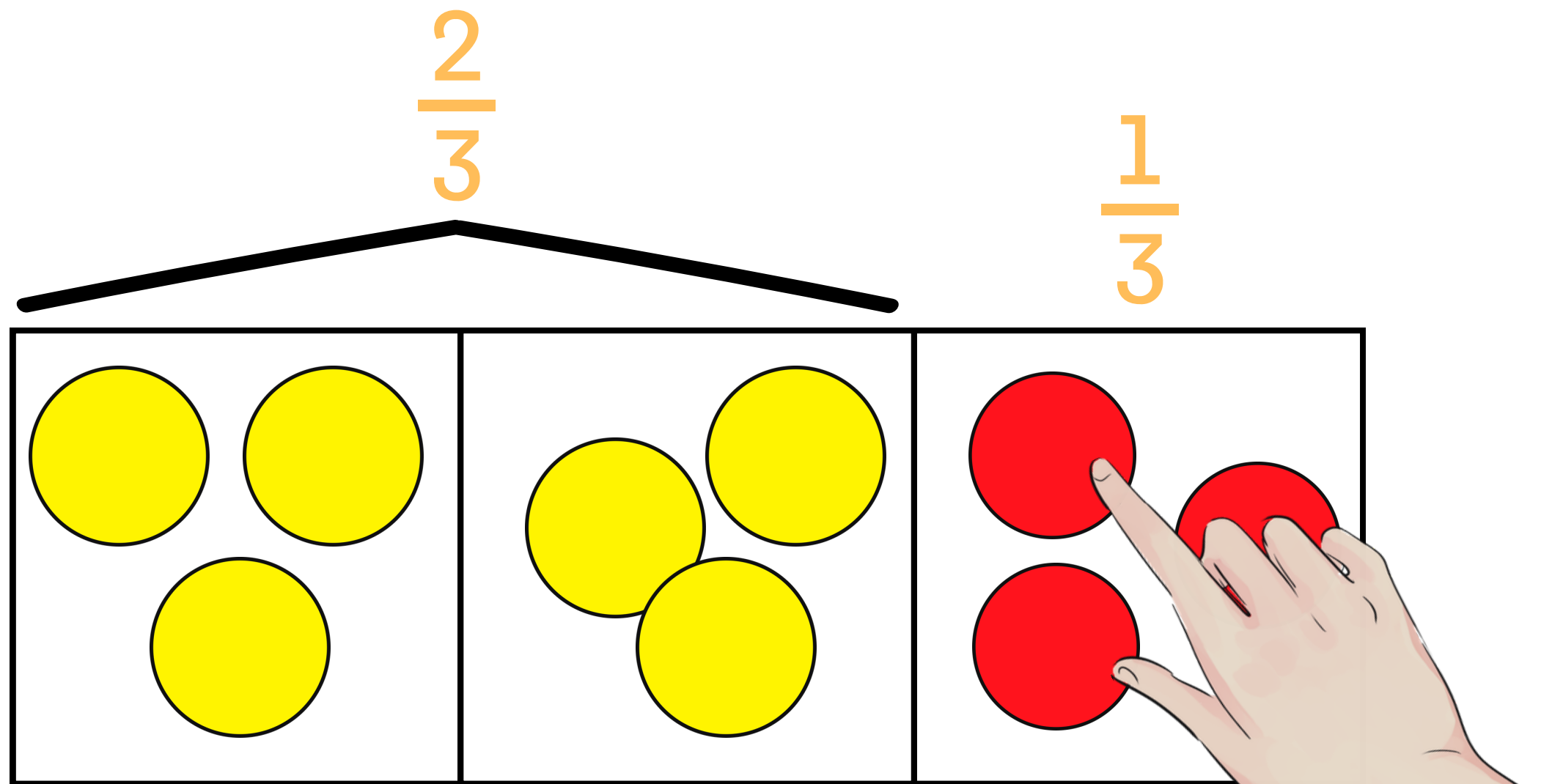
**A GREAT
SMALL GROUP
MATH
STATION**



This resource is designed to incorporate the **CRA Model** for developing deep math understanding.

CONCRETE
REPRESENTATIONAL
ABSTRACT

If you have red & yellow integer chips available, use them along with the provided bar model mats to work in a hands-on way with the problems. Don't have integer chips? No problem. Use the bar model mats with a dry erase marker instead.





**HANDS
ON**

What's included?

- 20 tasks
 - 10 are scaffolded with bar models
 - 10 require students to generate their own bar model
- Bar model mats – use these along with integer chips (or in a page protector with dry erase markers) to make the tasks hands on
- Detailed answer keys – if you're not comfortable with bar models for fractions, the answer key will support you.

2

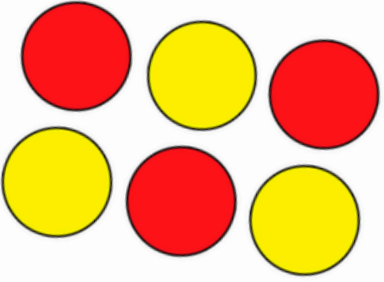
There are some red counters and some yellow counters.
 $\frac{1}{6}$ of the counters are red, and the rest are yellow.
 There are 15 yellow counters.
 How many counters are there in all?

Fractions of a Set With Bar Models

13

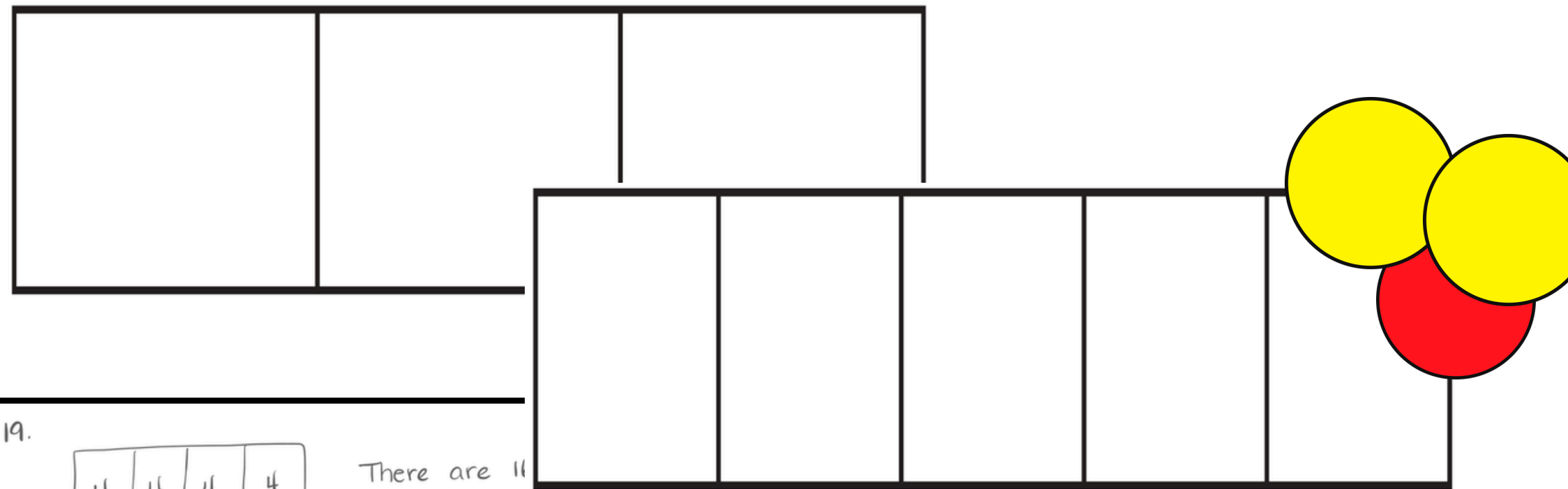
Here is one-third of the counters. How many counters are there in all?



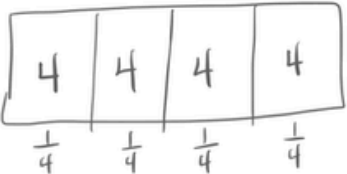
Draw a bar model to show your thinking.

Fractions of a Set With Bar Models

© Shelley Gray

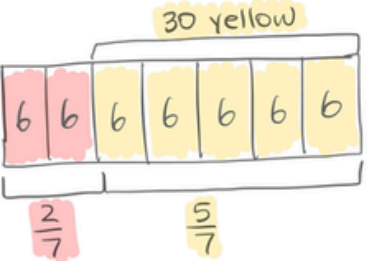


19.



There are 16 because there are 4 in each fourth.

20.

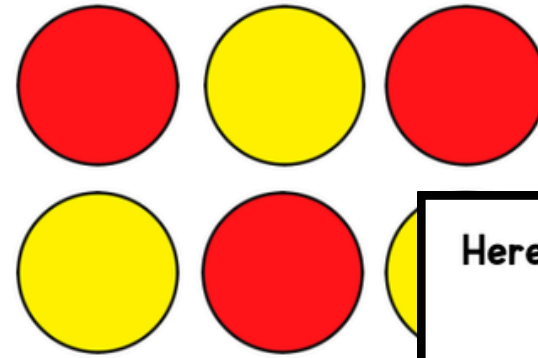


There are 42 counters in all.

Ready to teach fractions
in a way that kids really
understand?

**MAKE
FRACTIONS
VISUAL**

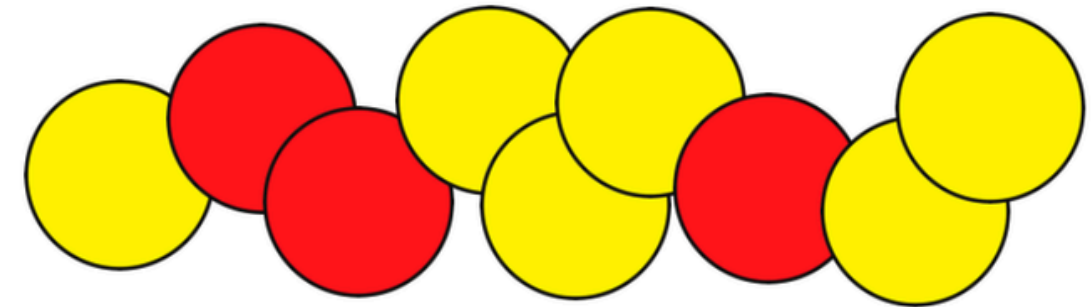
Here is one-third of the counters. How many counters are there in all? **13**



Draw a bar model to show your thinking

Fractions of a Set With Bar Models

Here are $\frac{3}{7}$ of the counters. How many counters are there in all? **6**



There are

$\frac{3}{8}$ of the

Fractions of a Set With Bar Models

© Shelley Gray

There are 15 red counters.

How many counters are there in all?



Draw a bar model to show your thinking.

Fractions of a Set With Bar Models

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