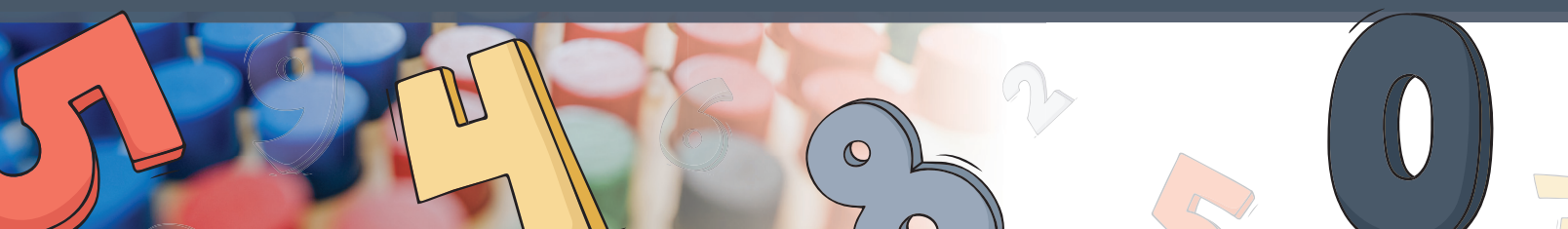Attainment's

HANDS-ON MATH

STUDENT WORKBOOK

LEAH BASTIAN • RENÉ ZELT • GEORGINA BABA

Attainment's
HANDS-ON MATH
STUDENT WORKBOOK

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Contents

COUNTING AND NUMBERS

ONE–TO–ONE CORRESPONDENCE WITHIN 5

Mark (cross out, stamp, circle, etc.) the appropriate number of pegs to match the numeral listed.

Mark 4 pegs.
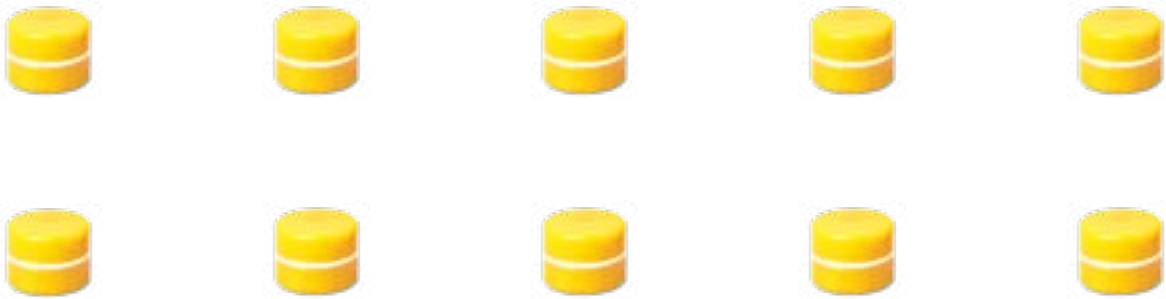
Mark 2 pegs.

IDENTIFY NUMERALS WITHIN 100

Identify the numeral represented on the number line.
Mark (cross out, stamp, circle, etc.) your answer.

●	●	●	●	●	●	●	●	●	●	●
0	10	20	30	40	50	60	70	80	90	100

●	●	●	●	●	●	●	●	●	●	●
0	1	2	3	4	5	6	7	8	9	10

20   **100**   **11**

●	●	●	●	●	●	●	●	●	●	●
0	10	20	30	40	50	60	70	80	90	100

●	●	●	●	●	●	●	●	●	●	●
0	1	2	3	4	5	6	7	8	9	10
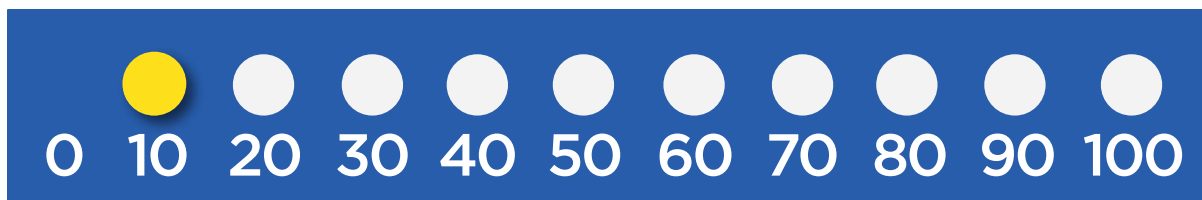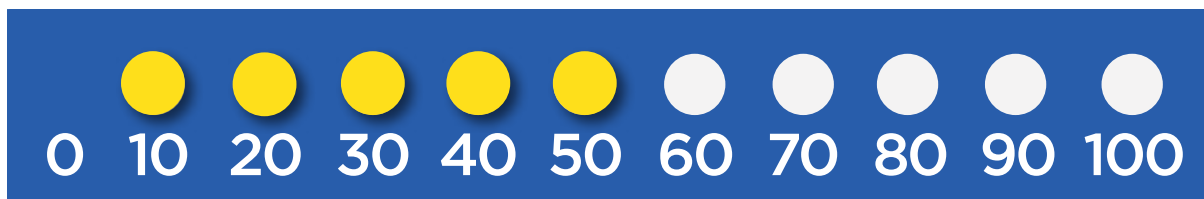
25   **55**   **80**

IDENTIFY NUMERALS WITHIN 12 ON DICE

Place pegs on a number line to match the dots on the dice.
Calculate the total and write (dictate, copy, trace, etc.) the number on the line.

What is the total?

The total is _____.

The total is _____.

The total is _____.

The total is _____.

SKIP COUNT BY 5s WITHIN 20

Mark (cross out, stamp, shade, etc.) the sequence on the number line as you count.

Skip count by 5s up to 15 starting with 5.

0 1 2 3 4 5 6 7 8 9 10   11 12 13 14 15 16 17 18 19 20

Skip count by 5s up to 10 starting with 5.

0 1 2 3 4 5 6 7 8 9 10   11 12 13 14 15 16 17 18 19 20

Skip count by 5s up to 5 starting with 5.

0 1 2 3 4 5 6 7 8 9 10   11 12 13 14 15 16 17 18 19 20

IDENTIFY NUMBER WORDS-MULTIPLES OF TEN TO ONE HUNDRED

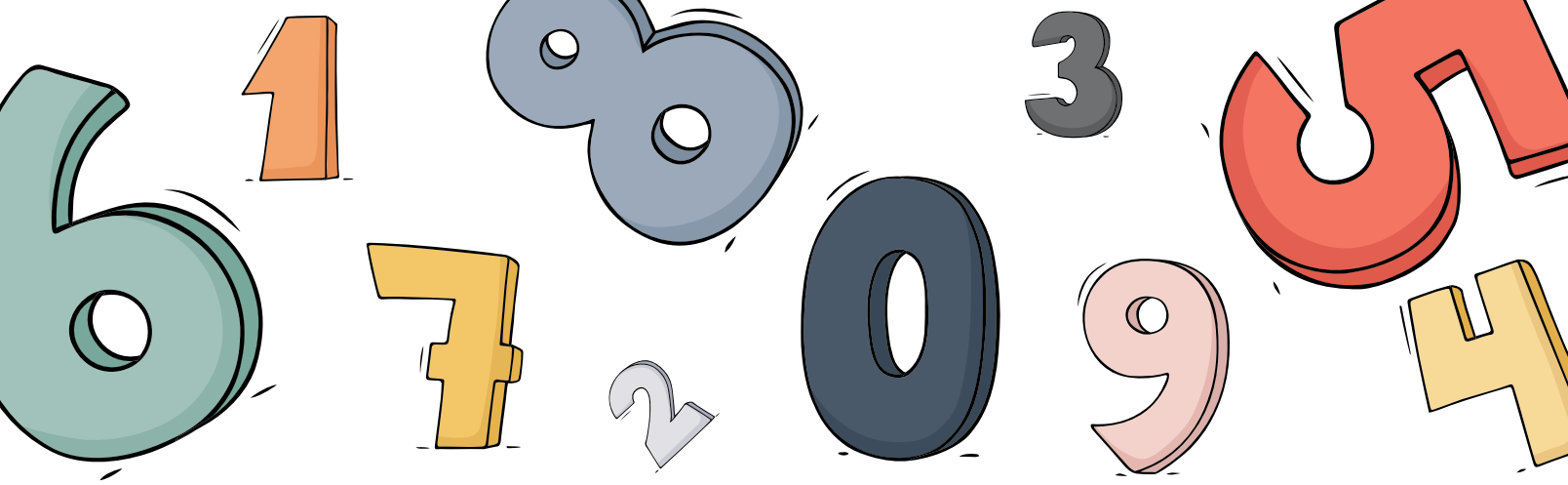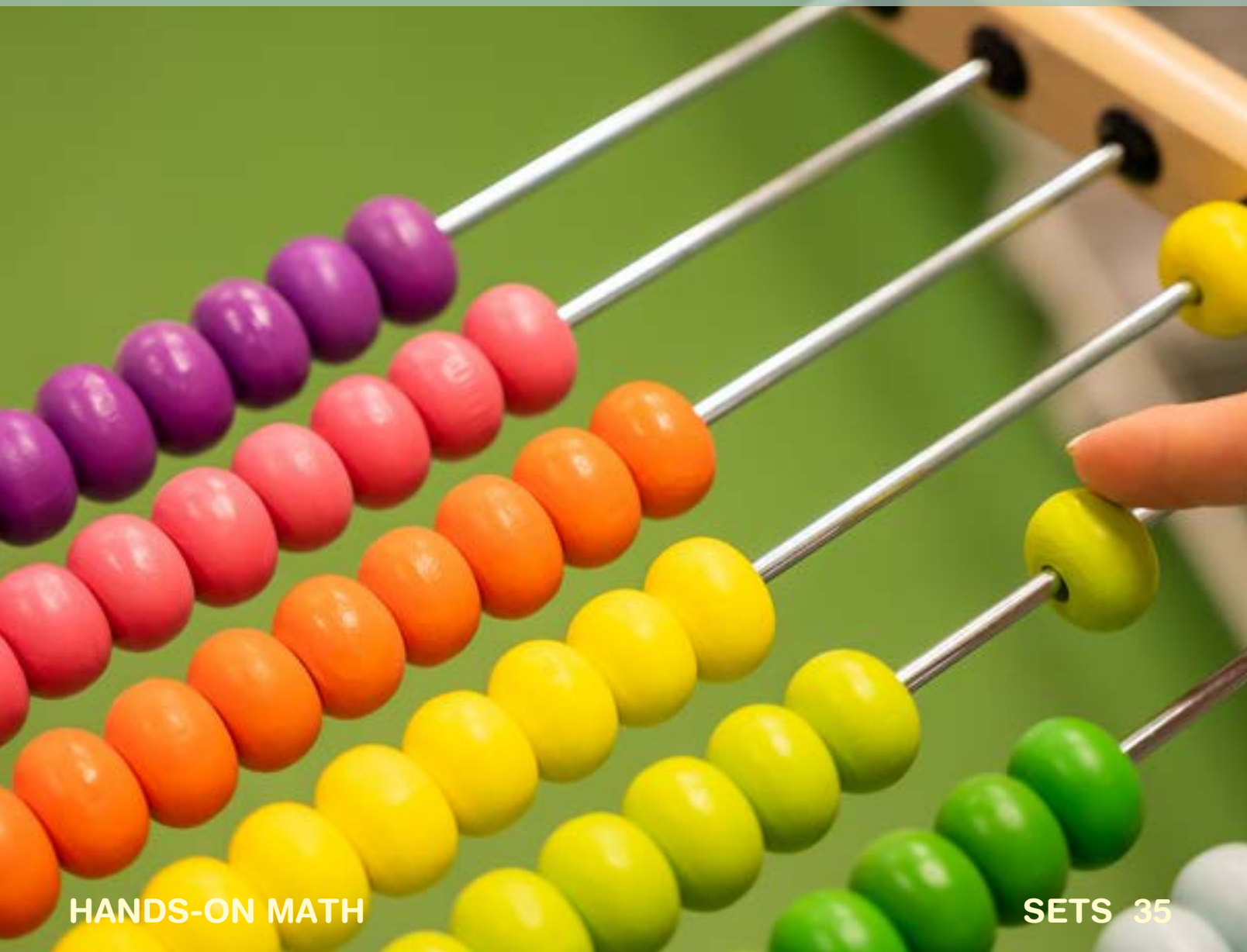Mark (color, stamp, cross out, etc.) the pegs that match each number word.

twenty

forty

eighty

SETS

CHECK your work!

CREATE SETS WITHIN 5

Create a set in each rectangle that is equal to the numeral listed.

*Teacher Tip: Use pegs, cut-out pictures, stamps, markers,
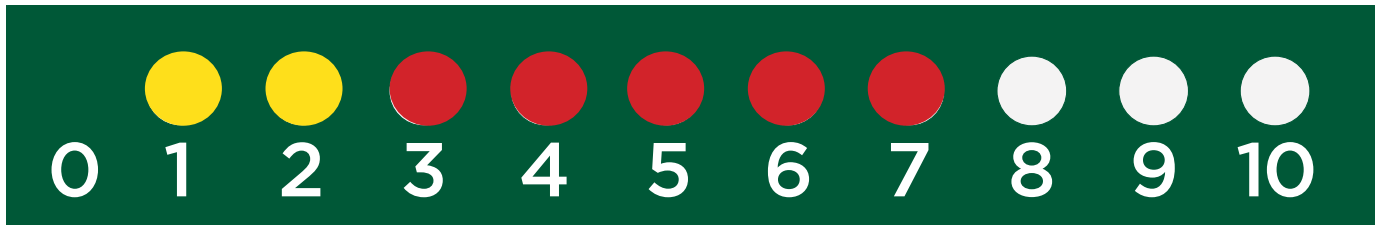or other manipulatives to create the sets.*

Create a set of 2.

Create a set of 3.

ADD WITHIN 10

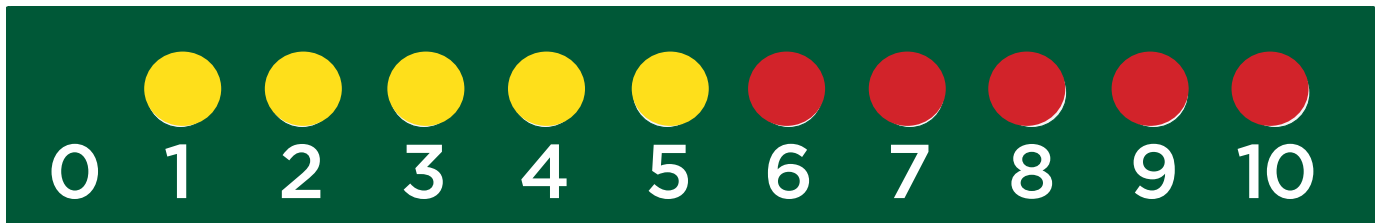Solve the problem and write (dictate, copy, trace, etc.) the sum/total on the line.

$$2 + 5 = \underline{\hspace{2cm}}$$

0 1 2 3 4 5 6 7 8 9 10

$$6 + 3 = \underline{\hspace{2cm}}$$

0 1 2 3 4 5 6 7 8 9 10

$$5 + 5 = \underline{\hspace{2cm}}$$

0 1 2 3 4 5 6 7 8 9 10

ADD WITHIN 100, ONE TERM WITH TWO DIGITS

Solve the problem and write (dictate, copy, trace, etc.) the sum/total on the line.

CHECK your work!

$43 + 6 = \underline{\quad}$

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

$84 + 2 = \underline{\quad}$

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

$22 + 3 = \underline{\quad}$

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

$75 + 1 = \underline{\quad}$

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

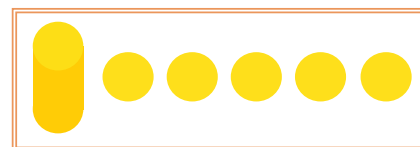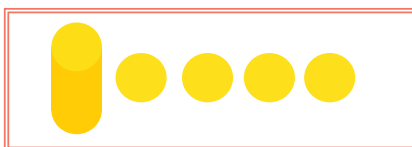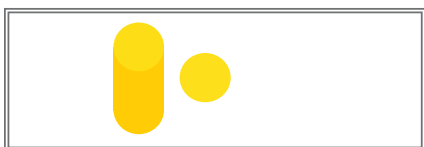| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

ADD WITHIN 20 WITH REGROUPING

Solve the problem and write (dictate, copy, trace, etc.) the sum/total on the line.
Mark (circle, stamp, etc.) the answer that represents the sum of the number sentence.
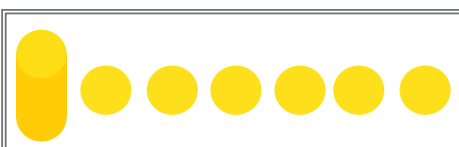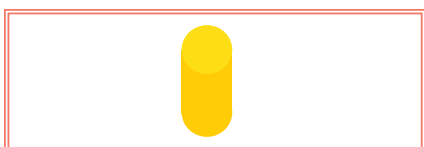
5 + 7 = ___
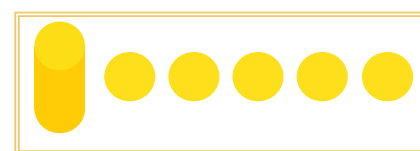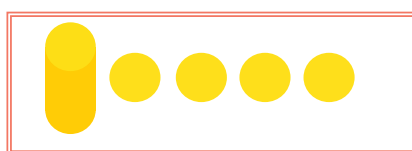
6 + 9 = ___
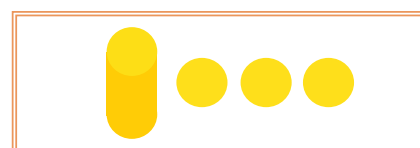
7 + 3 = ___

4 + 8 = ___
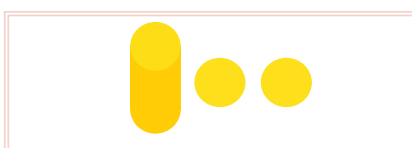
SOLVE A SUBTRACTION STORY PROBLEM
WITH A DIFFERENCE WITHIN 20

Solve the story problem and write (dictate, copy, trace, etc.) the difference/answer on the line.

CHECK your work!

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Today is Anna's birthday. Her mom bought 20 cupcakes for her party.

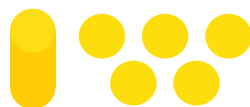Anna invited 15 friends to her party. Each friend invited ate a cupcake. How
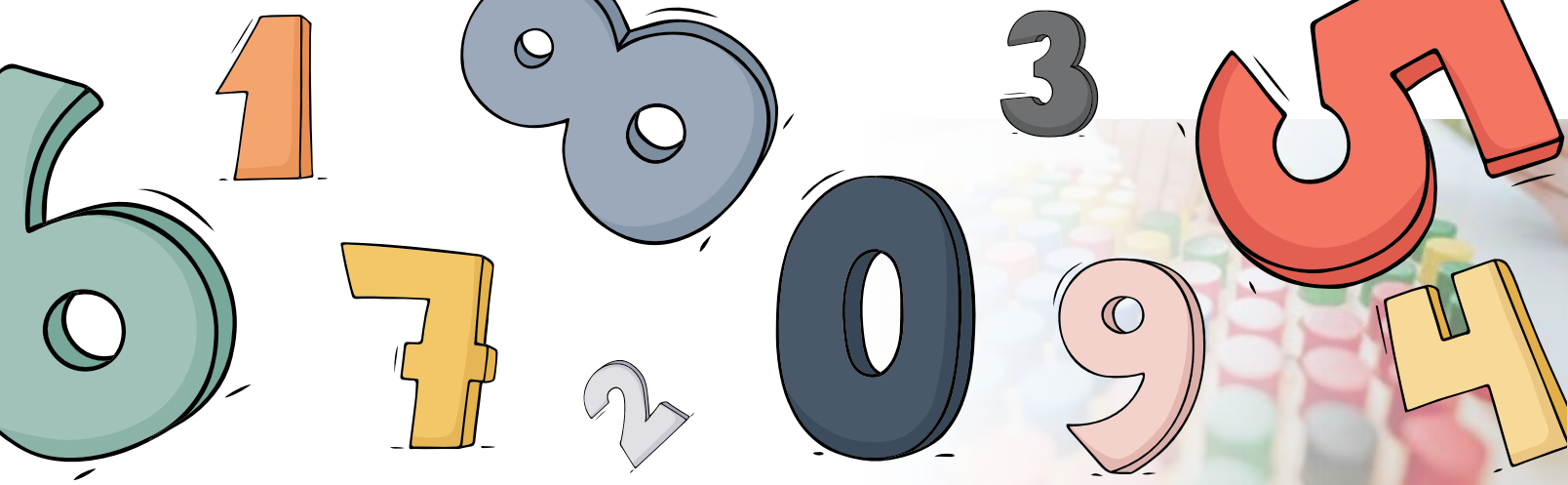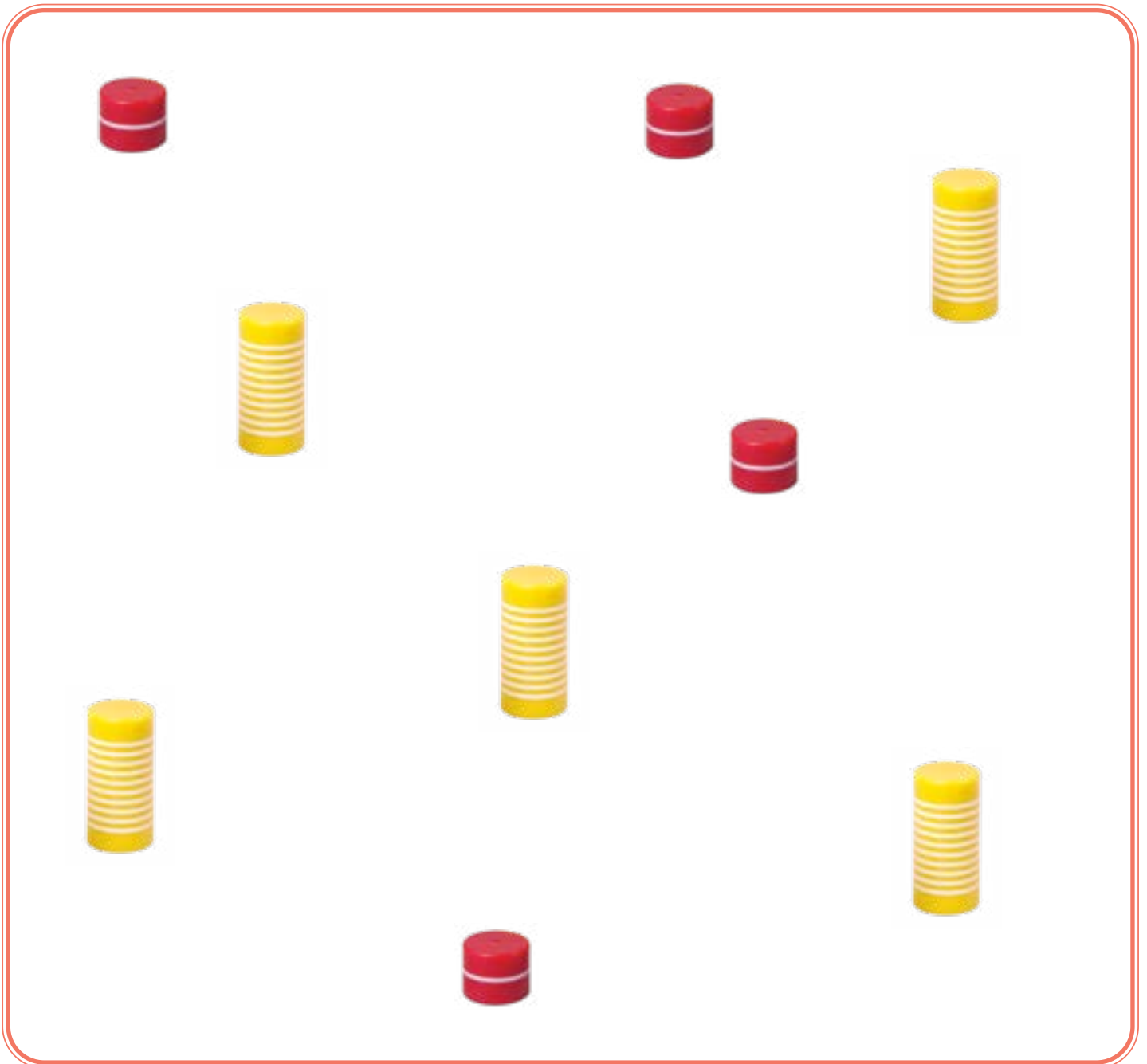
many cupcakes are left?

$$20 - 15 = \rule{2cm}{0.4pt}$$

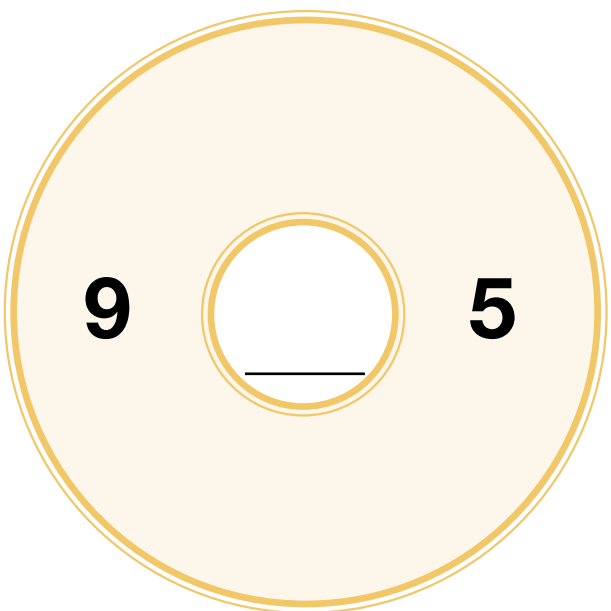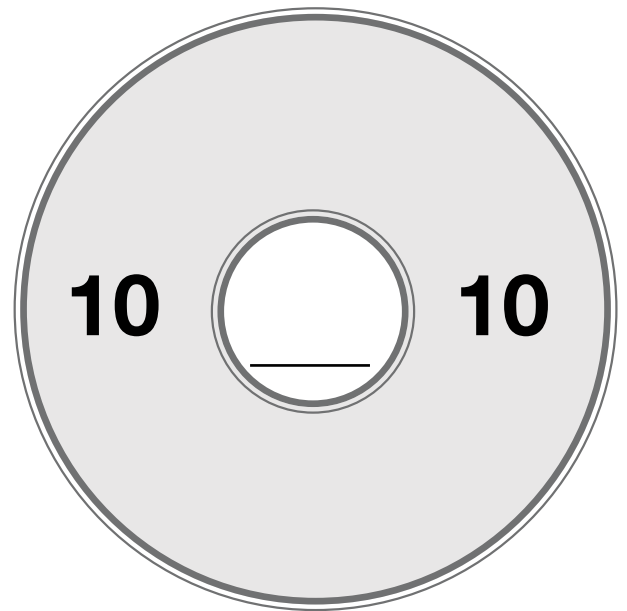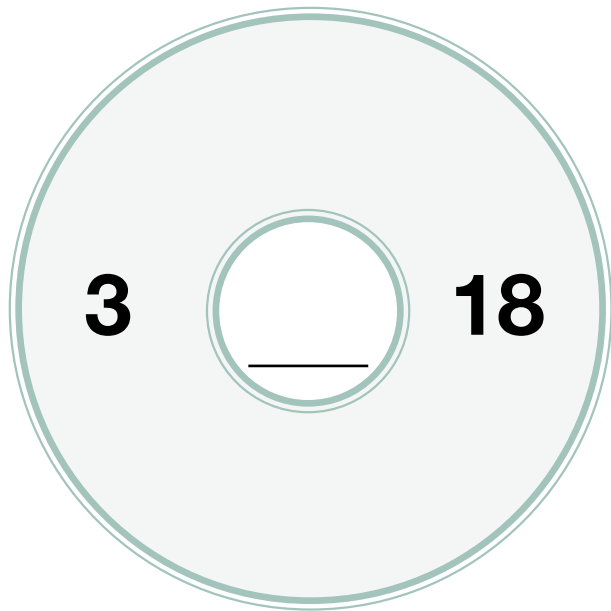# CATEGORIES, SYMBOLS, AND PATTERNS

SORT TWO ITEMS WITH A CUE REDUNDANCY

Mark (circle, stamp, etc.) the images below that are the same as the peg shown here.

IDENTIFY NUMBERS WITHIN 20 AS LESS THAN, EQUAL TO, OR GREATER THAN A GIVEN NUMERAL

Compare each set of numerals and write (dictate, copy, trace, etc.)
a less than (<), greater than (>), or equal to (=) sign on the line.

3 _____ 18

10 _____ 10

9 _____ 5

14 _____ 12
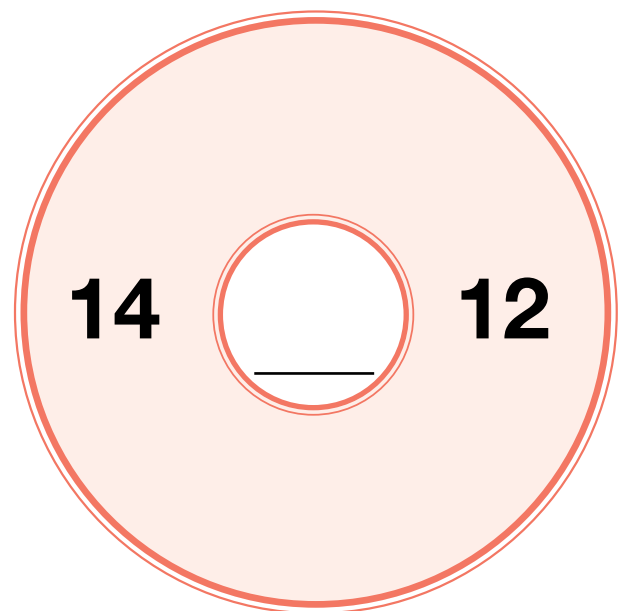
DUPLICATE AN ABAB PATTERN

Mark (stamp, color, shade, etc.) a duplicate ABAB pattern with matching colors on each number line.
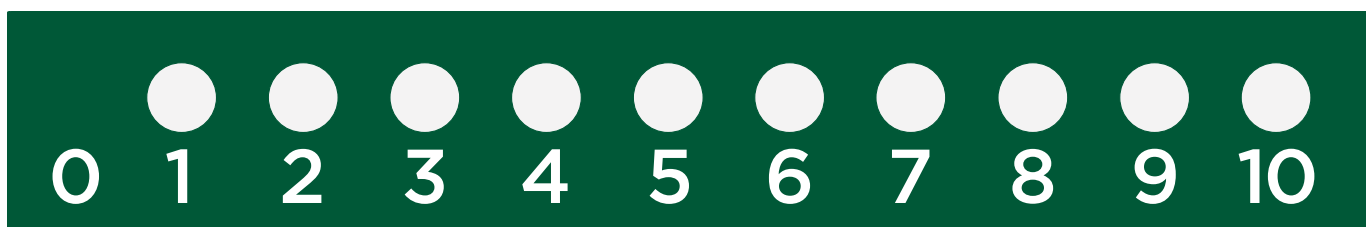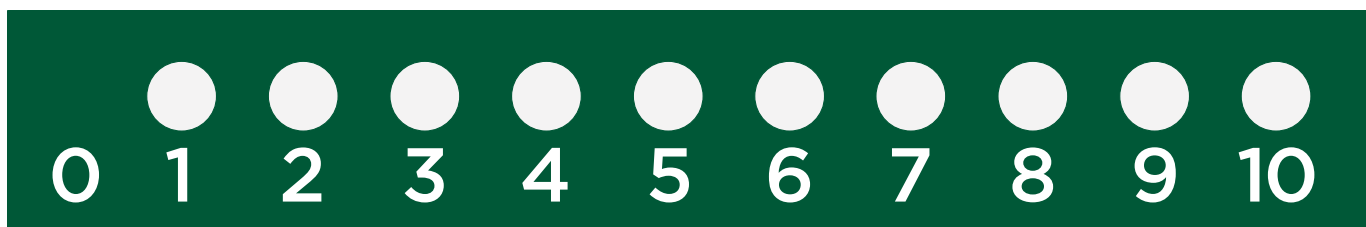
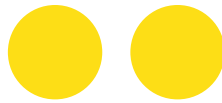# COMPLETE AN AABB PATTERN

Mark (cross out, stamp, circle, etc.) the answer choice that completes each AABB pattern shown below.

IDENTIFY ADDITION WORDS

Fill in the missing labels using the word bank and solve each problem.

Word Bank:

addend	plus
equals	sum

6 **+** **5** **=** [ ]

addend			equals	sum

4 **+** **2** **=** [ ]

	plus	addend		sum

3 **+** **7** **=** [ ]

addend	plus		equals	
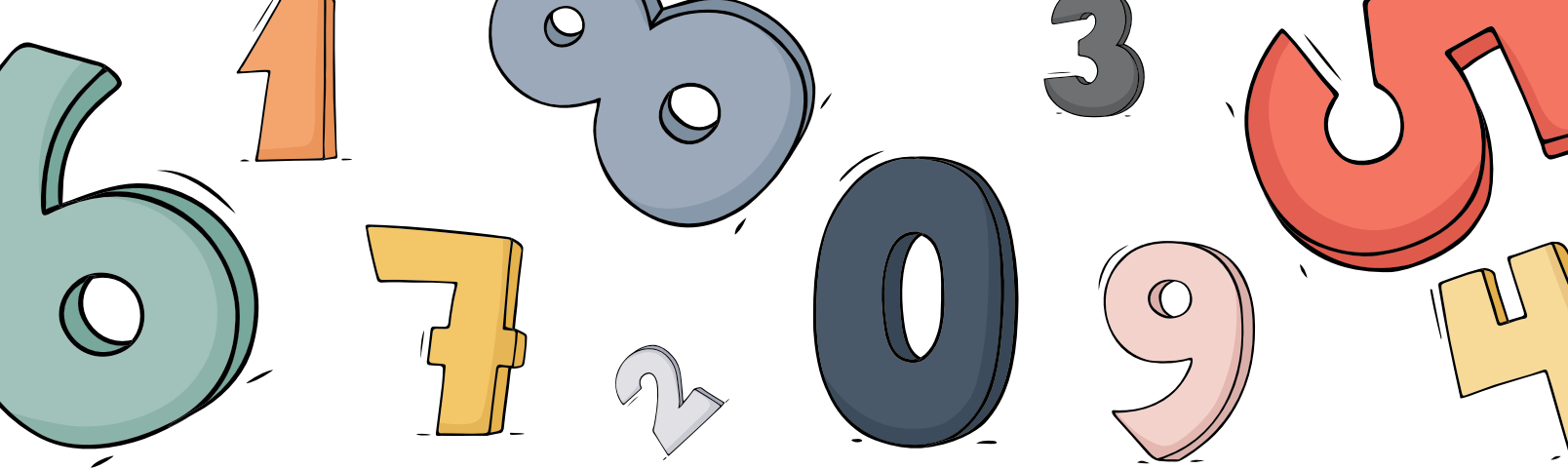
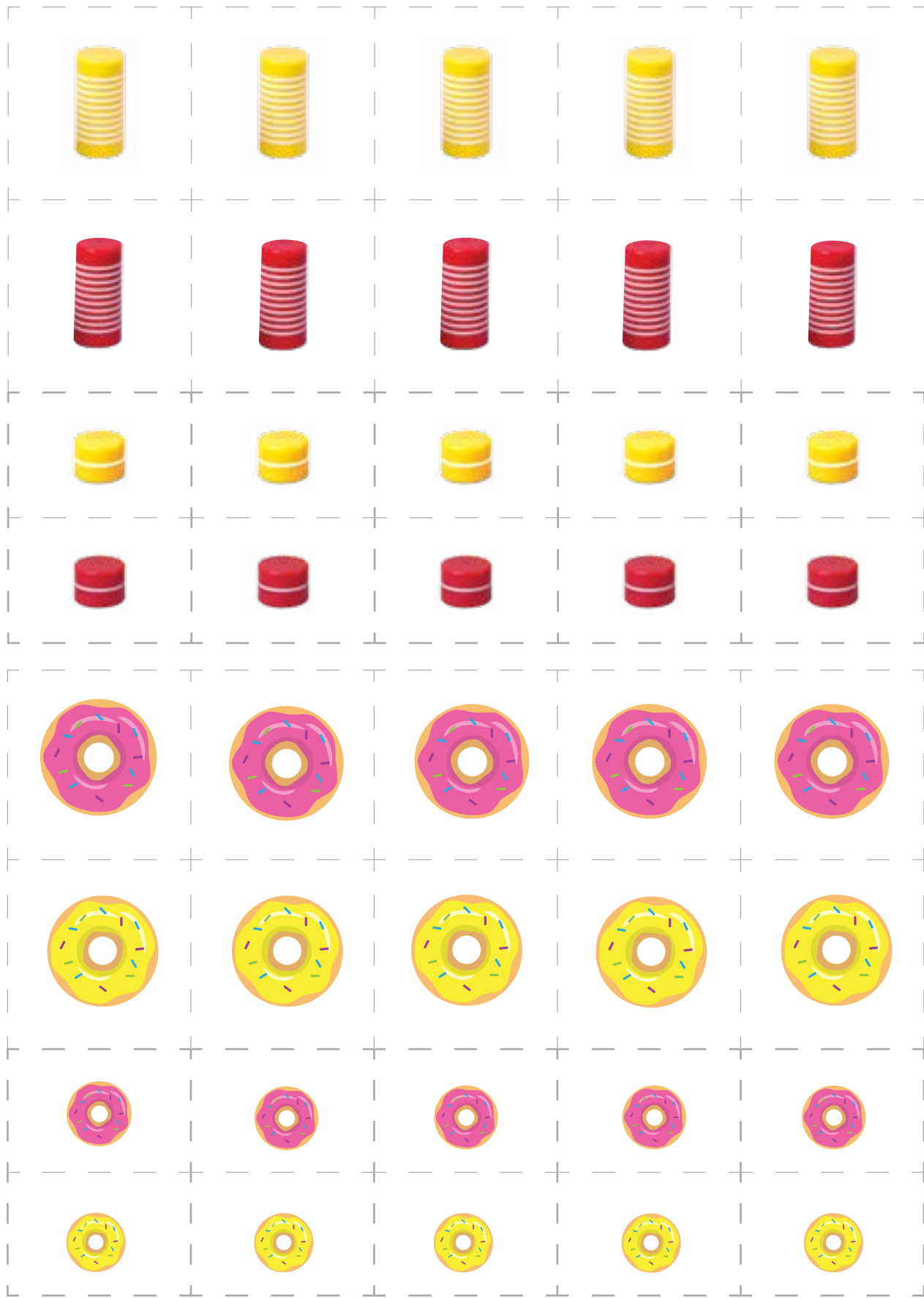# RESOURCES

Cutouts for Hands-On Math activities are available for download and classroom printouts on the Attainment HUB.