




















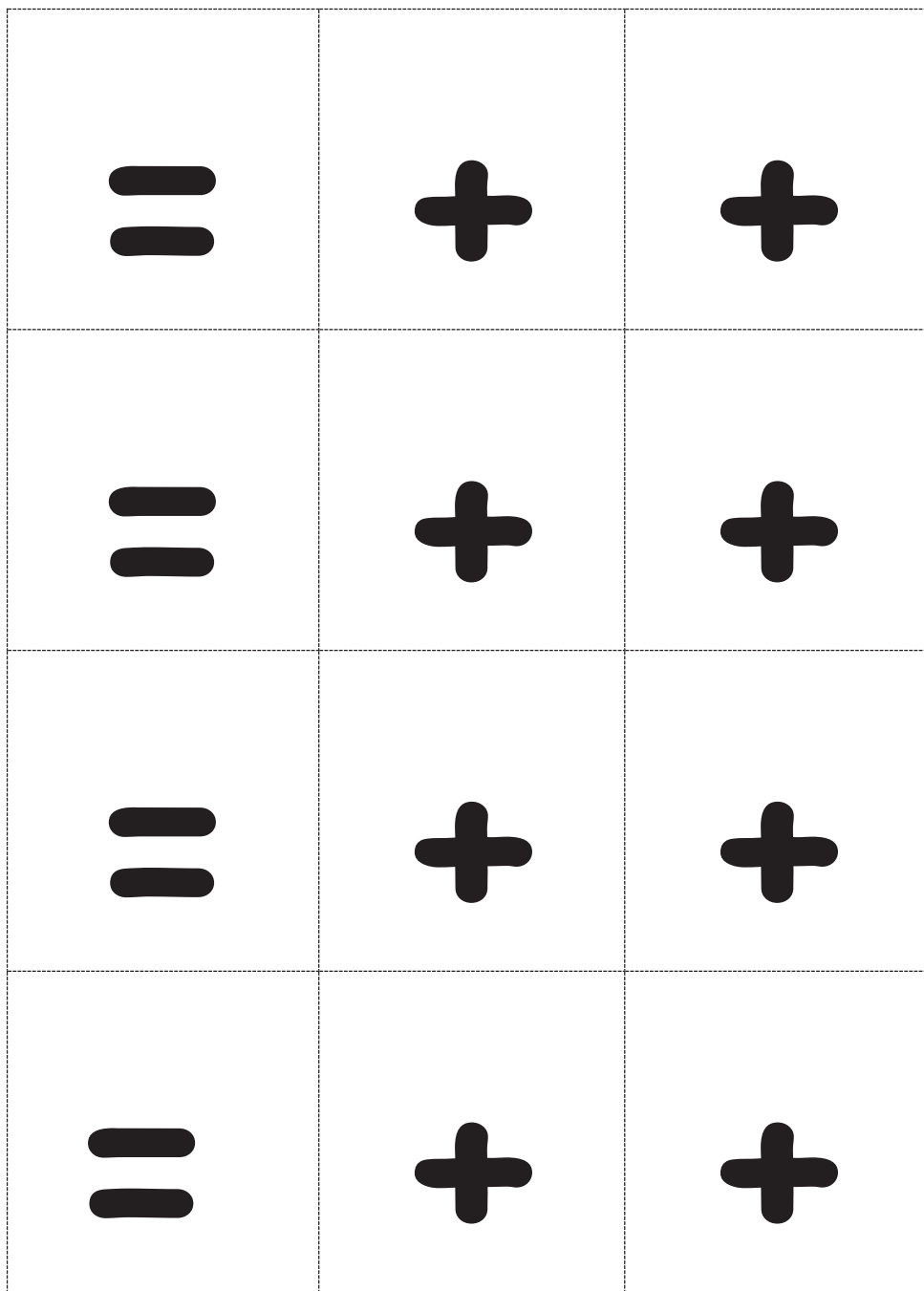


|   |          |          |    |
|---|----------|----------|----|
| 0 | 1        | 2        | 3  |
| 4 | 5        | <u>6</u> | 7  |
| 8 | <u>9</u> | 10       | 10 |
|   | 10       | 5        | 5  |

5-group cards, first two pages double-sided, last page single-sided

|  |  |  |  |
|--|--|--|--|
|   |   |   |  |
| <br>     | <br>     |    |   |
| <br> | <br> | <br> | <br> |
|   |   | <br> |  |

5 group cards, first two pages double-sided, last page single-sided



5 group cards, first two pages double-sided, last page single-sided

$$9 + 2 =$$

$$3 + 9 =$$

$$9 + 4 =$$

$$5 + 9 =$$

$$9 + 6 =$$

$$7 + 9 =$$

$$9 + 8 =$$

$$9 + 9 =$$

9 + n addition cards, print on cardstock and cut

**Friendly Fact Go Around: Make it Equal**

$9 + 1 = 10 + \square$

$9 + 3 = 10 + \square$

$9 + 5 = 10 + \square$

$9 + 4 = 10 + \square$

$9 + 7 = 10 + \square$

$9 + 6 = 10 + \square$

$3 + 9 = 10 + \square$

$2 + 9 = 10 + \square$

$8 + 9 = 10 + \square$

$5 + 9 = 10 + \square$

$4 + 9 = 10 + \square$

$9 + 9 = 10 + \square$

$9 + 4 = \square + 10$

$9 + 6 = \square + 10$

$9 + 5 = \square + 10$

$9 + 2 = \square + 10$

$9 + 7 = \square + 10$

$9 + 9 = \square + 10$

$9 + \square = 10 + 5$

$9 + \square = 10 + 7$


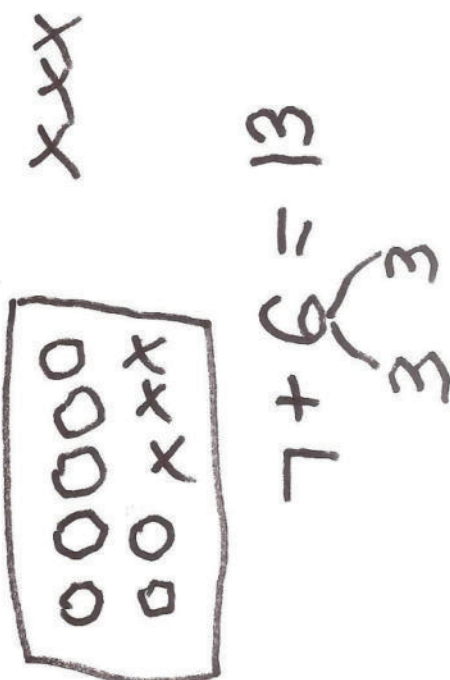

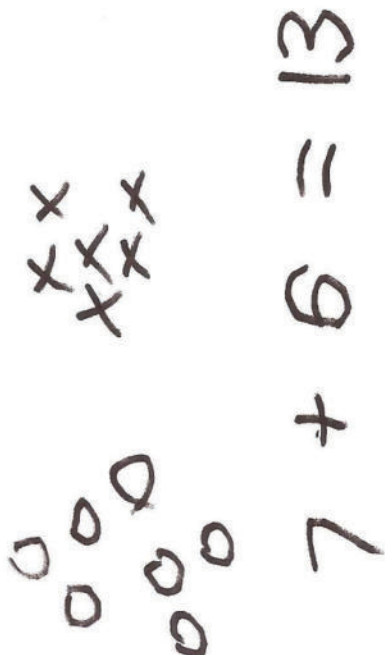
$9 + \square = 10 + 8$

$9 + \square = 10 + 3$

$9 + \square = 10 + 4$

$9 + \square = 10 + 6$

friendly fact go around: make it equal

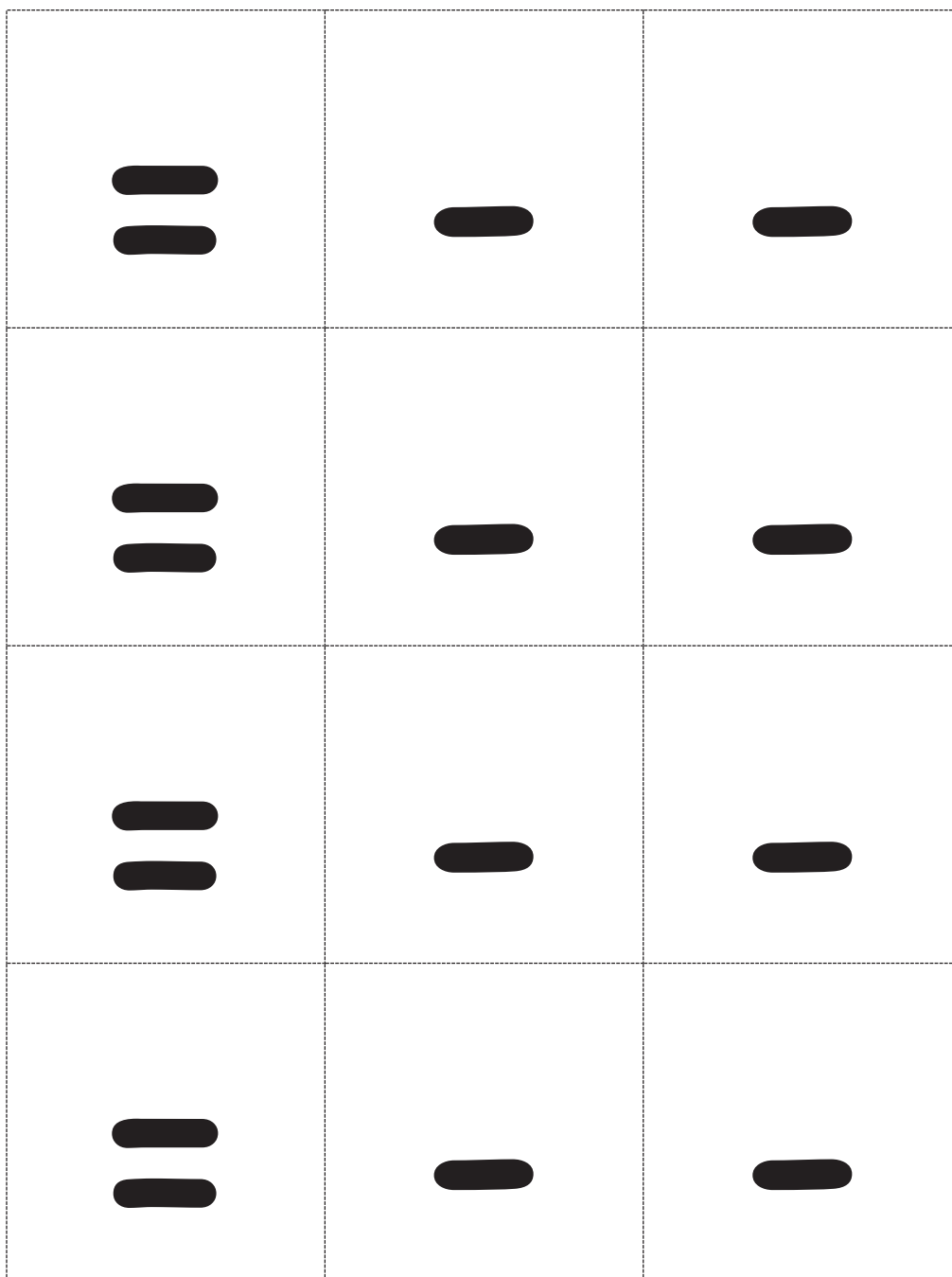
| Student A  | Student B   | Student C   | Student D  |
|--|---|---|--|
| <br>$7 + 6 = 13$ | <br>$7 + 6 = 13$ | <br>$7 + 6 = 13$ | <br>$7 + 6 = 13$ |

student work samples- make ten strategies

00000 00000

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5-group row insert



minus and equal symbol cards



$$10 - 9$$

$$11 - 9$$

$$12 - 9$$

$$13 - 9$$

$$14 - 9$$

$$15 - 9$$

$$16 - 9$$

$$17 - 9$$

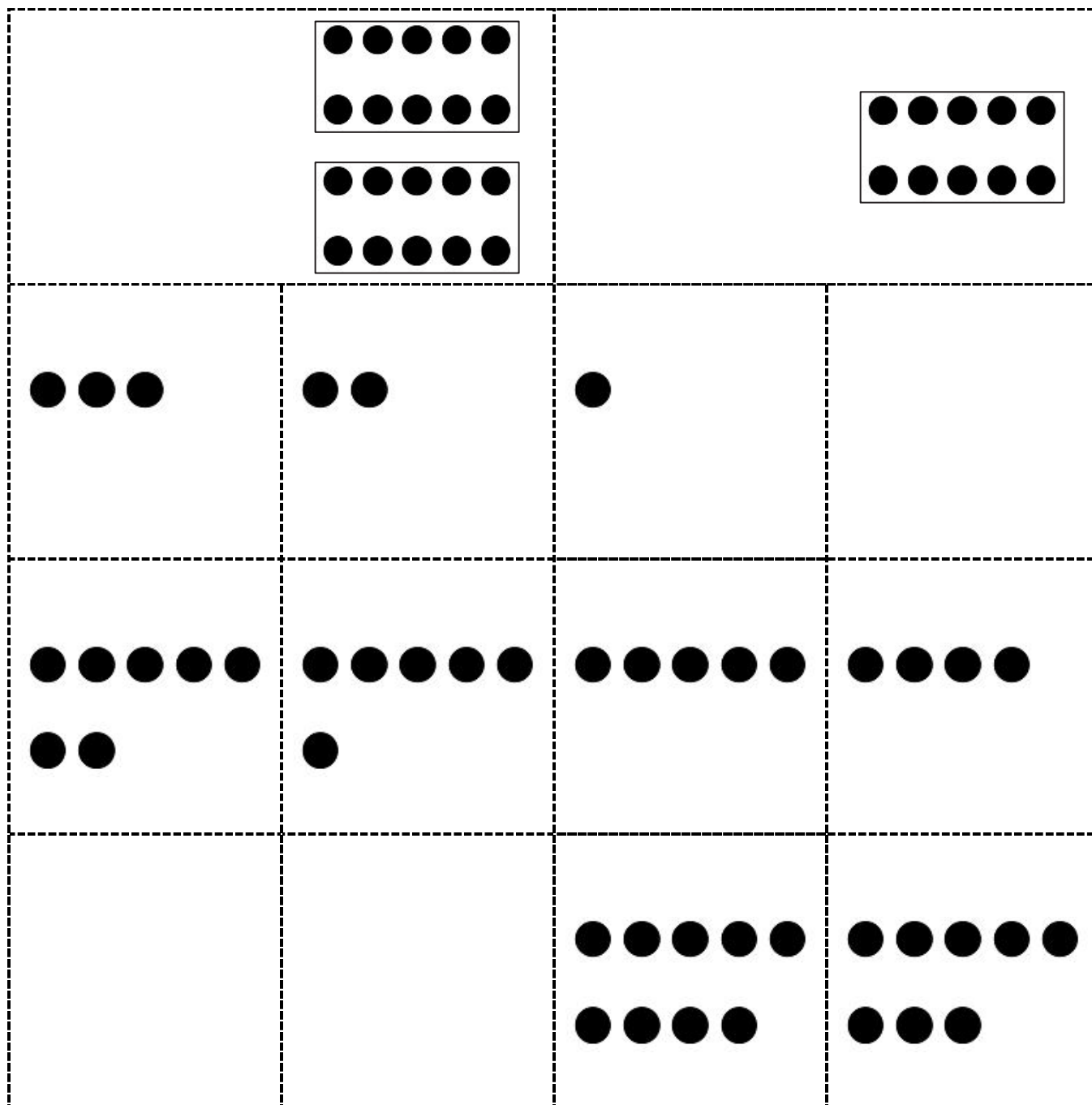
$$18 - 9$$

$$19 - 9$$

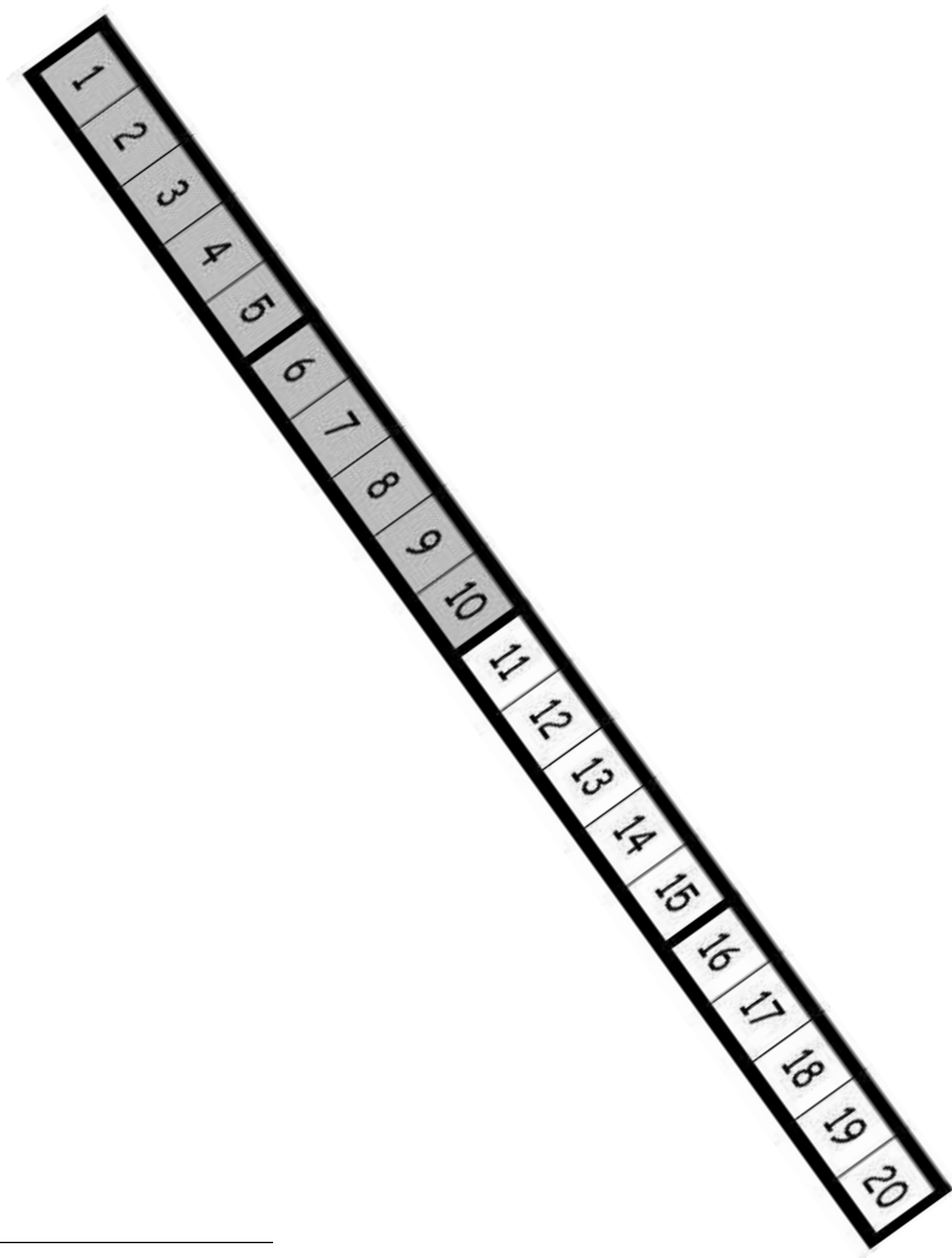
subtract 9 flashcards

|   |          |          |   |
|---|----------|----------|---|
| 1 | 0        | 2        | 0 |
| 0 | 1        | 2        | 3 |
| 4 | 5        | <u>6</u> | 7 |
| 8 | <u>9</u> |          |   |

hide zero cards, numeral side (copy double-sided with next page)



hide zero cards, dot side (copy double-sided with previous page)



number path 1–20

$10 - 8 =$

$11 - 8 =$

$12 - 8 =$

$13 - 8 =$

$14 - 8 =$

$15 - 8 =$

$16 - 8 =$

$17 - 8 =$

$18 - 8 =$

numeral cards 7–19 and subtraction symbol

|    |    |    |    |
|----|----|----|----|
| 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 |
| 19 | -  |    |    |

numeral cards 7–19 and subtraction symbol

Student C

$$14 - 8 = 4$$

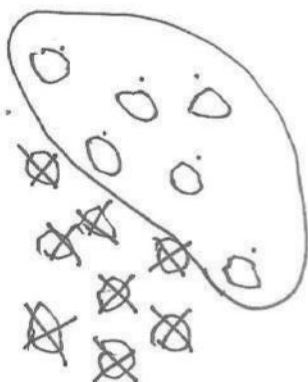
10 4

$$4 - 8 = 4$$

$$10 + 4 = 14$$

Student B

$$14 - 8 = 6$$



Student A

$$14 - 8 = 6$$

$$14 - 8 = 6$$

$$2 + 4 = 6$$

Student E

$$8 + 2 = 10$$

$$2 + 4 = 6$$

Student D

$$8 + 6 = 14$$

$$8 \quad 9 \quad 10 \quad 11 \quad 12 \quad 13 \quad 14$$

6

student work samples—take from ten strategies

$$12 - 7$$

$$3 + 2$$

$$7 + 8$$

$$10 + 5$$

$$15 - 9$$

$$1 + 5$$

$$6 + 8$$

$$10 + 4$$

$$15 - 8$$

$$2 + 5$$

$$17 - 9$$

$$1 + 7$$

expression cards



$$11 - 7$$

$$3 + 1$$

$$6 + 7$$

$$10 + 3$$

$$17 - 8$$

$$2 + 7$$

$$4 + 8$$

$$10 + 2$$

$$7 + 9$$

$$10 + 6$$

$$11 - 8$$

$$2 + 1$$

expression cards

$$8 + 9$$

$$10 + 7$$

$$9 + 9$$

$$10 + 8$$

$$4 + 8$$

$$10 + 2$$

$$17 - 5$$

$$9 + 3$$

$$15 - 8$$

$$13 - 6$$

$$11 - 9$$

$$1 + 1$$

expression cards

$$12 + 4$$

$$10 + 6$$

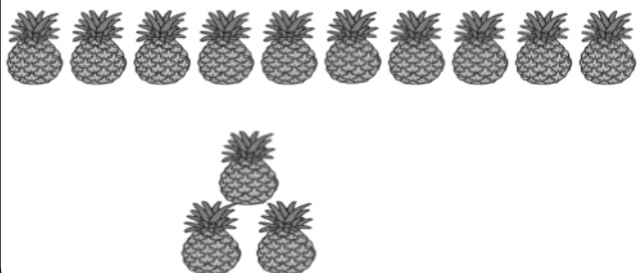
$$14 + 2$$

$$9 + 7$$

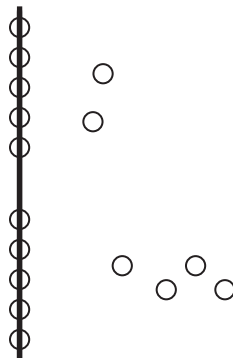
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expression cards

How many pineapples?



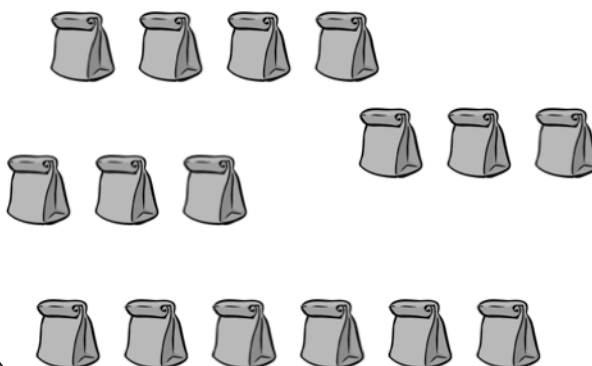
How many beads?



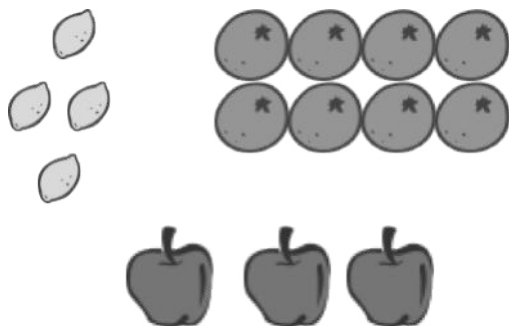
How many animals?



How many lunches?



How many pieces of fruit?



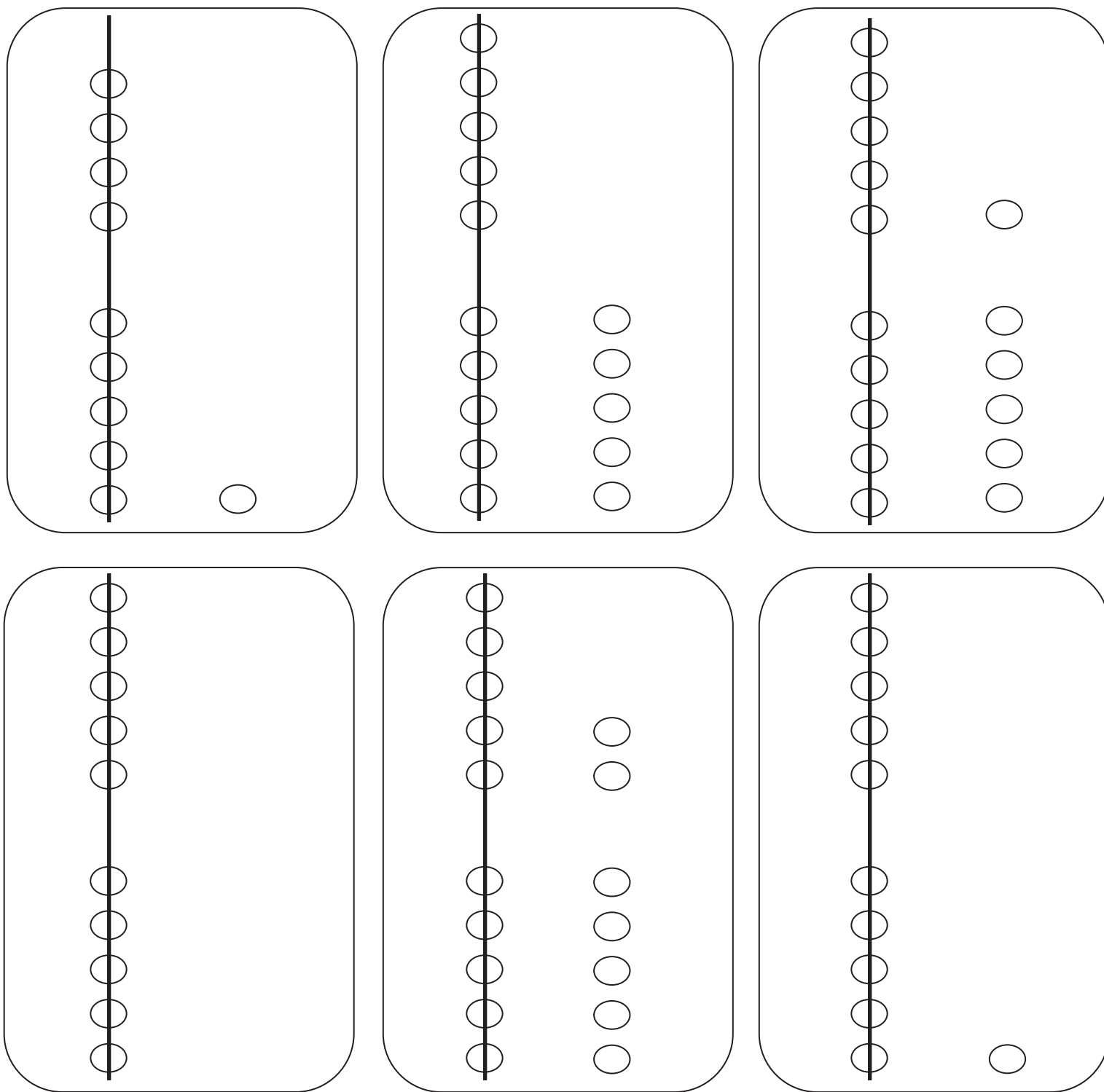
How many cupcakes?



grouping ten images

The image displays six 5-group column cards arranged in a 2x3 grid. Each card is a rounded rectangle containing a vertical line with ten circles. The circles are arranged in two groups of five. The top group of five circles is on the left side of the vertical line, and the bottom group of five circles is on the right side. The cards are designed for students to use in solving addition and subtraction problems by decomposing and composing teen numbers as 1 ten and some ones.

5-group column cards



5-group column cards

$$10 - 7$$

$$11 - 7$$

$$12 - 7$$

$$13 - 7$$

$$14 - 7$$

$$15 - 7$$

$$16 - 7$$

$$17 - 7$$

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subtract 7 and 6 flashcards

$$10 - 6$$

$$11 - 6$$

$$12 - 6$$

$$13 - 6$$

$$14 - 6$$

$$15 - 6$$

$$16 - 6$$

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subtract 7 and 6 flashcards