

Build/Draw/Write to Add up to 20

(Note: Different problems may be represented in each progression.)

Add to 5 (K.OA.5a)

$1 + 2 = \boxed{3}$

3 Bunnies 2 Joined Them

$3 + 2 = \underline{5}$

$2 + 3 = \underline{\quad}$

"2...3, 4, 5"

$3 + 2 = \underline{\quad}$

"Threere...4, 5"

Add to 10 (1.OA.6a)

$2 + 6 = \boxed{8}$

5 Beetles

4 Joined Them

$5 + 4 = \underline{9}$

$3 + 4 = \underline{\quad}$

Foouurr...5, 6, 7

$6 + 3 = \underline{\quad}$

Siiix...7, 8, 9

Add to 20 (2.OA.2a)

$8 + 5 = \underline{\quad}$

$10 + 3 = \underline{13}$

Monkeys in a Tree 5 Joined Them

$7 + 5 = \underline{12}$

$10 + 2 = \underline{12}$

To add more efficiently, start with the greater number.

$5 + 8 = \underline{\quad}$

"8 plus 2 is 10 and 3 more equals 13"

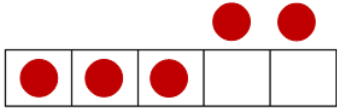
"9 plus 1 is 10 and 4 more equals 14"

$5 + 9 = \underline{14}$

Build/Draw/Write to Subtract within 20

(Note: Different problems may be represented in each progression.)

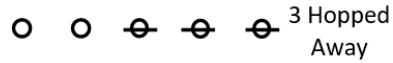
Subtract within 5 (K.OA.5b)



$$5 - 2 = \boxed{3}$$

$$2 + \boxed{3} = 5$$

5 Bunnies



$$5 - 3 = \underline{2}$$

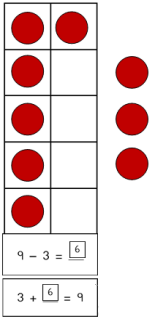
$$3 + \underline{2} = 5$$

$$3 - 1 = \underline{\quad}$$

$$1 + \underline{2} = 3$$

$$4 - 3 = \underline{1}$$

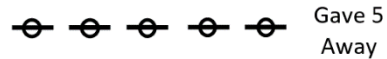
Subtract within 10 (1.OA.6c)



$$9 - 3 = \boxed{6}$$

$$3 + \boxed{6} = 9$$

Total Pies



$$8 - 5 = \underline{3}$$

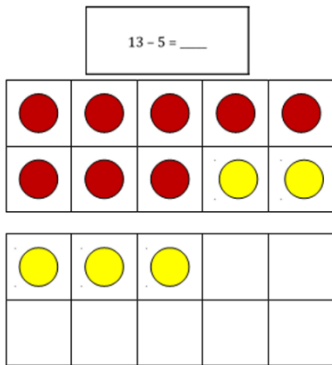
$$5 + \underline{3} = 8$$

$$8 - 6 = \underline{\quad}$$

$$6 + \underline{2} = 8$$

$$7 - 2 = \underline{5}$$

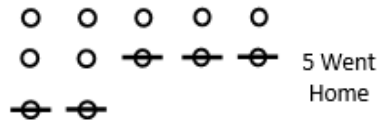
Subtract within 20 (2.OA.2b)



$$13 - 5 = \underline{\quad}$$

$$5 + \underline{\quad} = 13$$

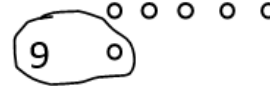
Total Kangaroos (12)



$$12 - 5 = \underline{7}$$

$$5 + \underline{7} = 12$$

$$15 - 9 = \underline{6}$$



"6 plus 4 is 10 and 3 more equals 13"



Count on from 9 to 15: "10...11, 12, 13, 14, 15"

Record the unknown part: "6"

Chunk the unknown part into the 10-partner and the rest:

"I see 6 as 1 and 5"

Build/Draw/Write to Add Multi-digit Numbers

(Note: Different problems may be represented in each progression.)

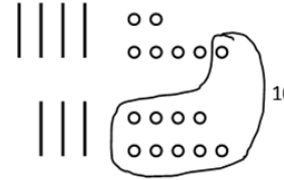
Add 2-Digit Numbers (2.NBT.5a)

Before:		<table border="1"> <tr><td>3</td><td>5</td></tr> <tr><td>2</td><td>7</td></tr> </table>	3	5	2	7				
3	5									
2	7									
After:		<table border="1"> <tr><td>5</td><td>0</td><td>1</td><td>2</td></tr> <tr><td>6</td><td>2</td><td></td><td></td></tr> </table>	5	0	1	2	6	2		
5	0	1	2							
6	2									

Push-ups

Kristin

47



Christopher

$$\begin{array}{r} + 39 \\ 47 \\ \hline 16 \\ 70 \\ \hline 86 \end{array}$$

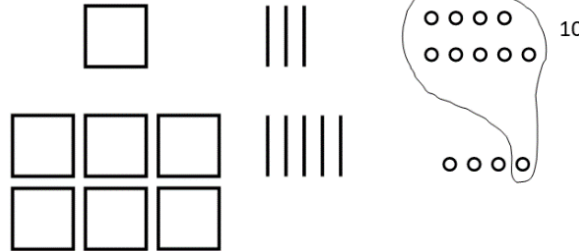
Miles

3 rd Grade	46	5
4 th Grade	+ 39	1
	15	10
	70	
	85 miles	

Add 3-Digit Numbers (3.NBT.2a)

Build the Problem		<table border="1"> <tr><td>1</td><td>8</td><td>5</td></tr> <tr><td>1</td><td>6</td><td>2</td></tr> </table>	1	8	5	1	6	2	
1	8	5							
1	6	2							
Find the Sub-totals		<table border="1"> <tr><td>2</td><td>0</td><td>0</td><td>1</td><td>4</td><td>0</td><td>7</td></tr> </table>	2	0	0	1	4	0	7
2	0	0	1	4	0	7			
Combine		<table border="1"> <tr><td>3</td><td>4</td><td>7</td></tr> </table>	3	4	7				
3	4	7							

$$\begin{array}{r} 139 \\ + 654 \\ \hline \text{"Add the ones"} \quad 13 \\ \text{"Add the tens"} \quad 80 \\ \text{"Add the hundreds"} \quad 700 \\ \hline 793 \end{array}$$



- Add the 3-digit numbers using your place-value understanding and finding new groups of 10.
- Draw a picture to check your work or help you find the answer.

438		
+ 654		
1092		

Build/Draw/Write to Subtract Multi-digit Numbers

(Note: Different problems may be represented in each progression.)

Subtract 2-Digit Numbers (2.NBT.5b)

<p>Step 1 – Build the Total (72)</p> $\begin{array}{r} 72 \\ - 59 \\ \hline \end{array}$	<p>Step 2 – Ungroup a Ten</p> $\begin{array}{r} 72 \\ - 59 \\ \hline \end{array}$
<p>Step 3 – Take-away the known part (59)</p> $\begin{array}{r} 72 \\ - 59 \\ \hline \end{array}$	<p>Step 4 – Identify the Unknown Part (13)</p> $\begin{array}{r} 72 \\ - 59 \\ \hline 13 \end{array}$

Tiger Hats

$$\begin{array}{r} 72 \\ - 29 \\ \hline 56 \end{array}$$

56 Tiger Hats Left

Kari's Money

$$\begin{array}{r} 75 \\ - 58 \\ \hline 17 \end{array}$$

17 Cents Left

Subtract 3-Digit Numbers (3.NBT.2b)

<p>Build the Total</p> $\begin{array}{r} 300 \\ - 247 \\ \hline \end{array}$	<p>Ungroup</p> $\begin{array}{r} 300 \\ - 247 \\ \hline \end{array}$
<p>Subtract</p> $\begin{array}{r} 300 \\ - 247 \\ \hline 53 \end{array}$	<p>Subtract</p> $\begin{array}{r} 300 \\ - 247 \\ \hline 53 \end{array}$

T-Shirts

$$\begin{array}{r} 300 \\ - 129 \\ \hline 171 \end{array}$$

171 T-shirts left to sell

Pages

$$\begin{array}{r} 325 \\ - 150 \\ \hline 175 \end{array}$$

175 Pages left to read