



Summer Package
Grade 2 going to Grade 3
(Week 2)
2018

Week 2 ----Grade 2 going to Grade 3

Name _____

Date _____

1. Solve mentally:

a. $72 + 10 = \underline{\hspace{2cm}}$	b. $\underline{\hspace{2cm}} = 73 - 10$	c. $\underline{\hspace{2cm}} + 10 = 174$
d. $83 + 100 = \underline{\hspace{2cm}}$	e. $\underline{\hspace{2cm}} = 182 - 100$	f. $\underline{\hspace{2cm}} - 100 = 81$
g. $65 + 40 = \underline{\hspace{2cm}}$	h. $\underline{\hspace{2cm}} = 166 - 40$	i. $127 + \underline{\hspace{2cm}} = 167$
j. $85 + 42 = \underline{\hspace{2cm}}$	k. $\underline{\hspace{2cm}} = 186 - 41$	l. $189 - 47 = \underline{\hspace{2cm}}$

2. Solve:

a. Find the solution and model how you found your answer.

$87 + 56 =$	Model:
$38 + 68 + 71 + 12 =$	Model:

b. Solve and explain your answer using place value.

$91 - 24 =$

$154 + 27 =$

$105 - 42 =$

$86 + 45 =$

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- c. Susan and James solved $125 + 32$ in different ways. Explain why both ways are correct.

<p>Susan's Way:</p> $125 + 32$ $125 \xrightarrow{+10} 135 \xrightarrow{+10} 145 \xrightarrow{+10} 155 \xrightarrow{+2} 157$	<p>James's Way:</p> $125 + 32$ $125 + 30 + 2 = 157$
<p>Explanation:</p>	<p>Explanation:</p>

3. Find the missing numbers to make each statement true. Show your mental math strategy.

a. $98 \xrightarrow{+10} \underline{\quad} \xrightarrow{+ \underline{\quad}} 109$

b. $6 \text{ tens} + 4 \text{ ones} = 70 - \underline{\quad}$

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c. $25 + 75 = \underline{\hspace{2cm}} + 30$

d. $39 + \underline{\hspace{2cm}} = 82$

e. $100 - \underline{\hspace{2cm}} = 45 + 15 + 32$

4. Sally went shopping. She spent \$86 on groceries and \$39 on clothing.
- How much more did Sally spend on groceries than on clothing? Show your work.

 - After Sally's shopping trip, she had \$12 left. How much money did she have to begin with? Show your work.

 - If Sally hadn't purchased the clothing, would she have been able to afford a \$55 necklace? Explain your answer.

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- c. How much money would Sally need to buy the groceries, the clothing, and the necklace?
Show your work with a model.

5. Solve each problem with a written strategy such as a tape diagram, a number bond, the arrow way, the vertical form, or chips on a place value chart.

a. $460 + 200 = \underline{\hspace{2cm}}$	b. $\underline{\hspace{2cm}} = 865 - 300$	c. $\underline{\hspace{2cm}} + 400 = 598$
d. $240 - 190 = \underline{\hspace{2cm}}$	e. $\underline{\hspace{2cm}} = 760 - 280$	f. $330 - 170 = \underline{\hspace{2cm}}$

6. Use the arrow way to fill in the blanks and solve. Use place value drawings if that will help you.

a. $630 \xrightarrow{-400} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}}$ $630 - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	b. $570 \xrightarrow{-\underline{\hspace{1cm}}} 270 \xrightarrow{+\underline{\hspace{1cm}}} 290$ $570 - \underline{\hspace{2cm}} = 290$	c. $\underline{\hspace{2cm}} \xrightarrow{-400} \underline{\hspace{2cm}} \xrightarrow{-40} 518$ $\underline{\hspace{2cm}} - 440 = 518$
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7. Solve.

Draw a place value chart with chips to model the problems. Show a written subtraction method to check your work.

a. $756 + 136 = \underline{\hspace{2cm}}$

Subtraction number sentence:

b. $267 + 545 = \underline{\hspace{2cm}}$

Subtraction number sentence:

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Draw a place value chart with chips to model the problems. Show a written addition method to check your work.

c. $617 - 229 = \underline{\hspace{2cm}}$

Check:

d. $700 - 463 = \underline{\hspace{2cm}}$

Check:

8. Find the missing numbers to make each statement true. Show your strategy to solve.

f. $300 - 106 = \underline{\hspace{2cm}}$

g. $\underline{\hspace{2cm}} = 407 - 159$

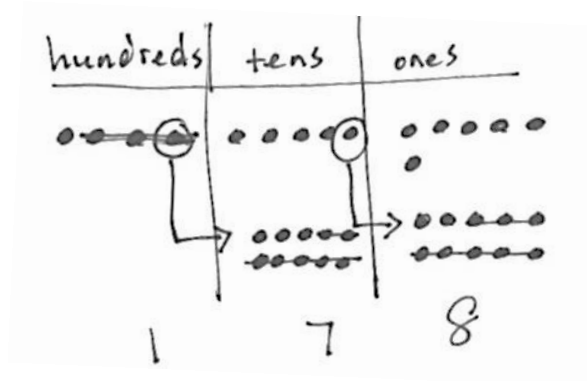
h. $410 - 190 = 420 - \underline{\hspace{2cm}}$

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i. $750 - 180 = \underline{\hspace{2cm}} - 200$

j. $900 - \underline{\hspace{2cm}} = 600 - 426$

9. Martha answered the problem $456 - 378$ incorrectly. She does not understand her mistake.
- a. Explain to Martha what she did wrong using place value language.



Explanation:

- b. Model an alternative strategy for $456 - 378$ to help Martha avoid making this mistake again.