Eureka Math
Assessment Packet

Grade 2
Modules 4, 5, & 6

Module 4

Mid-Module Assessment   Qty: 30

End-of-Module Assessment   Qty: 30

Module 5

Mid-Module Assessment   Qty: 30

End-of-Module Assessment   Qty: 30

Module 6

Mid-Module Assessment   Qty: 30

End-of-Module Assessment   Qty: 30

Name _____   Date _____

1. Solve. Show your mental math strategy.

a. 35 + 25 = _____	b. _____ = 27 + 46	c. _____ − 19 = 73
d. 89 − 52 = _____	e. 61 − _____ = 32	f. 75 − _____ = 29
g. $32 \xrightarrow{+1} \text{_____} \xrightarrow{+\text{\_\_\_}} 43$	h. $60 \xrightarrow{-\text{\_\_\_}} \text{_____} \xrightarrow{-\text{\_\_\_}} 49$	i. $\text{\_\_\_} \xrightarrow{+10} \text{\_\_\_} \xrightarrow{+1} 73$

2. Solve and show your work with a model.

a. 116 + 74 = _____ Model:	b. 147 + 28 = _____ Model:

| c.

84 − 59 = _____

Model: | d.

62 − 45 = _____

Model: |

3. Label each as true or false. Use a place value strategy to show how you know.

   a.   23 − 14 = 14 + 23   _____

   b.   45 − 19 = 22 + 4   _____

   c.   93 − 56 = 84 − 37   _____

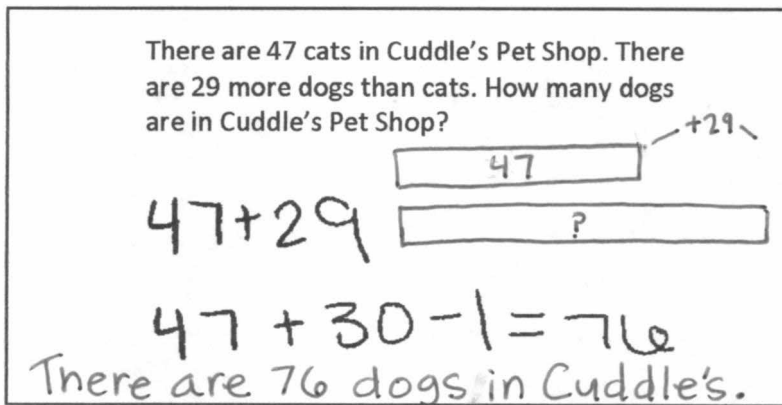   d.   8 ones + 5 tens = 85   _____

4. Sarah solved the word problem below.

> There are 47 cats in Cuddle's Pet Shop. There are 29 more dogs than cats. How many dogs are in Cuddle's Pet Shop?
>
> 47+29
>
> 47 + 30 − 1 = 76
>
> There are 76 dogs in Cuddle's.

a. Explain why Sarah's addition strategy worked.

b. There are 18 fewer cats than birds. How many birds are in Cuddle's Pet Shop? Use another place value strategy to find the answer. Show your work.

Name _____   Date _____

1. Solve mentally:

a. 72 + 10 = _____	b. _____ = 73 − 10	c. _____ + 10 = 174
d. 83 + 100 = _____	e. _____ = 182 − 100	f. _____ − 100 = 81
g. 65 + 40 = _____	h. _____ = 166 − 40	i. 127 + _____ = 167
j. 85 + 42 = _____	k. _____ = 186 − 41	l. 189 − 47 = _____

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 =

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

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

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

a. $98 \xrightarrow{+10} \underline{\hspace{1cm}} \xrightarrow{+\underline{\hspace{0.5cm}}} 109$

b. 6 tens + 4 ones = 70 – _____

c.   25 + 75 = _____ + 30

d.   39 + _____ = 82

e.   100 − _____ = 45 + 15 + 32

4.   Sally went shopping. She spent $86 on groceries and $39 on clothing.

a.   How much more did Sally spend on groceries than on clothing? Show your work.

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

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

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

Name _____   Date _____

1. 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. 220 + 30 = _____	b. 200 + 380 = _____	c. 450 + 210 = _____
d. 490 + 12 = _____	e. _____ = 380 + 220	f. 750 – 590 = _____

2. Use the arrow way to solve.

a.	b.	c.
$\quad$ +100 $\qquad$ +_____ 342 → _____ → 542	$\quad$ –____ $\qquad$ –_____ 600 → 500 → 490	$\quad$ +100 $\qquad$ +10 ____ → ____ → 768
d. 542 + 207 = _____	e. 430 + 361 = _____	f. 660 – 190 = _____

3. Solve each by drawing a model of a place value chart with chips and using the vertical form.

a.	b.
328 + 259 = _____	575 + 345 = _____

Circle *True* or *False* for each number sentence. Explain your thinking using pictures, words, or numbers.

c.	d.
466 + 244 = 600 + 100	690 + 179 = 700 + 169
True / False	*True / False*

e. $398 + 6 = 400 + 5$ *True / False*	f. $724 - 298 = 722 - 300$ *True / False*

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

a. $299 + 436 =$ _____	
b. $470 + 390 =$ _____	

c.   268 + 122 = _____

d.   330 – 190 = _____

Name _____   Date _____

1. 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 = _____	b. _____ = 865 – 300	c. _____ + 400 = 598
d. 240 – 190 = _____	e. _____ = 760 – 280	f. 330 – 170 = _____

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

a.
 	
   - 400   +10
630 → _____ → _____
 	
630 – _____ = _____
	b.
	
	   – ____ + _____
	570 → 270 → 290
	
	570 – _____ = 290
		c.
		
		   - 400 - 40
		____ → ____ → 518
		
		_____ – 440 = 518

3. Solve.

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

a. 756 + 136 = _____

Subtraction number sentence:

b. 267 + 545 = _____

Subtraction number sentence:

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

c. 617 − 229 = _____

Check:

d. 700 – 463 = _____

Check:

---

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

a. 300 – 106 = _____

b. _____ = 407 – 159

c. 410 – 190 = 420 – _____

d. 750 – 180 = _____ – 200

e. 900 – _____ = 600 – 426

5. 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.
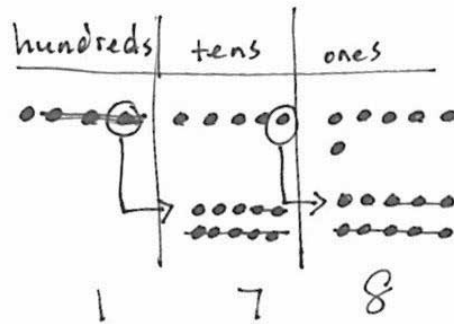
   Explanation:

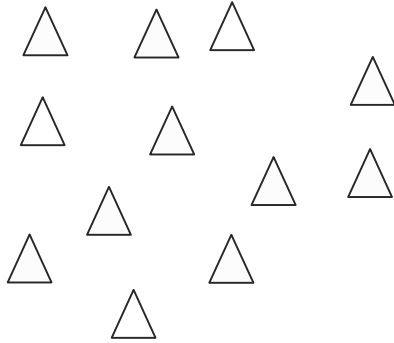   _____

   _____

   _____

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

Name _____ Date _____

1. a. Redraw the objects below in an array.

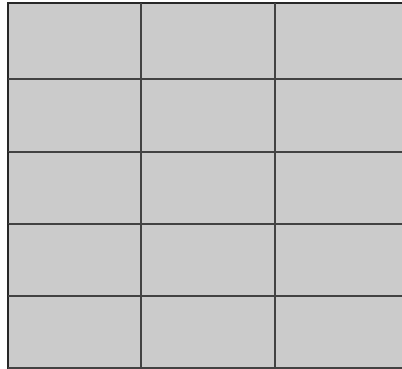   b. Circle one column. Then, circle one row.

   c. Write a repeated addition number sentence to match the columns of hearts.

      _____

   d. Draw and label a tape diagram to match your addition sentence and array.

2. a. Circle __all__ the expressions that describe the array.
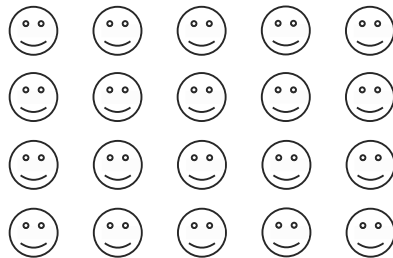

3 + 3 + 3 + 3   3 + 5   5 + 5 + 5

5   + 5 + 5 + 5 + 5   3 + 3 + 3 + 3 + 3   10 + 3

b. Count the smiley faces one row at a time. Write a repeated addition number sentence to find the total.

_____

c. Draw an array to match 5 + 5 + 5 + 5, where 5 is the number of objects in the column.

3. a. Draw an array with 15 squares where one row is made of 5 squares.

b. Write a repeated addition sentence to match the array you drew in 3(a), showing the addition of the number in each row.

4. Sarah won a prize at school! Her teacher said that she would have two choices for the prize:

    Choice 1: Get $3 a day for the next 3 days.

    Choice 2: Get $2 a day for the next 5 days.

a. Draw an array for each choice.

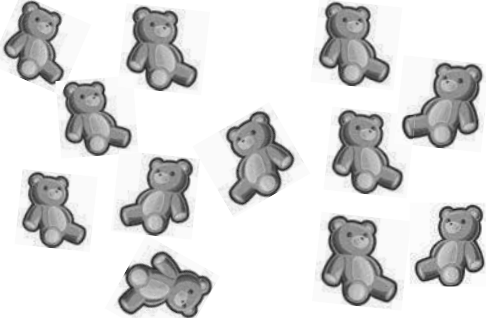b. Which way would Sarah get more money? Explain how you know.

_____

_____

_____

_____

_____

Name _____   Date _____

1. a.   Does the picture below show an even or an odd number of teddy bears? Explain your thinking using pictures, numbers, or words in the box on the right.

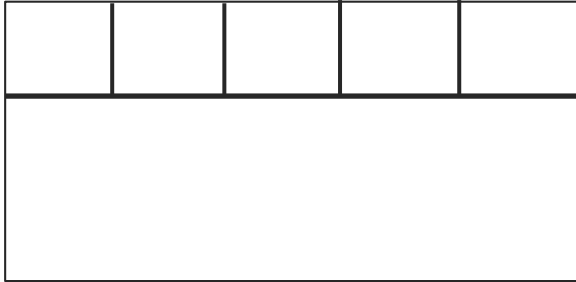   b.   Explain how you know if a number is even.

_____

_____

_____

_____

2. a.   Complete the array.

b. Using the entire rectangle, draw 3 rows of 5 squares. The first row is done for you. Then, write a repeated addition sentence that describes your array.

_____

c. Henry drew the rectangle below using 12 squares. Draw a different rectangle using 12 squares.

3. Complete each sentence. Explain your thinking using pictures, numbers, or words.

a. 2 groups of 4 make _____.	b. _____ groups of 2 make 6.

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4. a. Alex says that 14 is an even number. Do you agree with him? Explain your thinking using pictures, numbers, or words.

    b. Draw an array using 14 squares in 2 rows. The rows have been drawn for you.

    c. Alex has 14 pencils. He gives all of his pencils to his two friends. Each friend gets the same number of pencils. How many pencils did each friend get? Explain your thinking using pictures, numbers, or words.

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