

Name Answer Key Date \_\_\_\_\_

## Mathematics Grade 1 Unit 3-Part A Study Guide

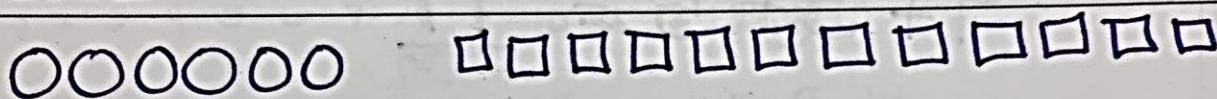
### Operations and Algebraic Thinking

The Unit 3-Part A assessment will be given on Friday, December 14<sup>th</sup>.

1.) Solve the word problem by drawing a picture and writing a number sentence.

OA.1

One litter has 6 puppies. Another litter has 12 puppies. How many puppies are there in all?

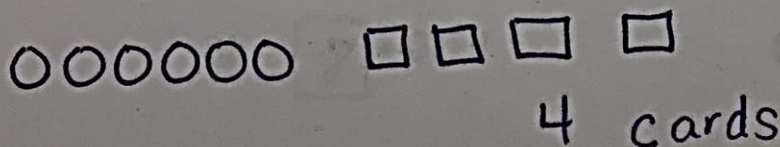


$$6 + 12 = 18$$

2. Draw a picture and write a number sentence using a symbol for the unknown number.

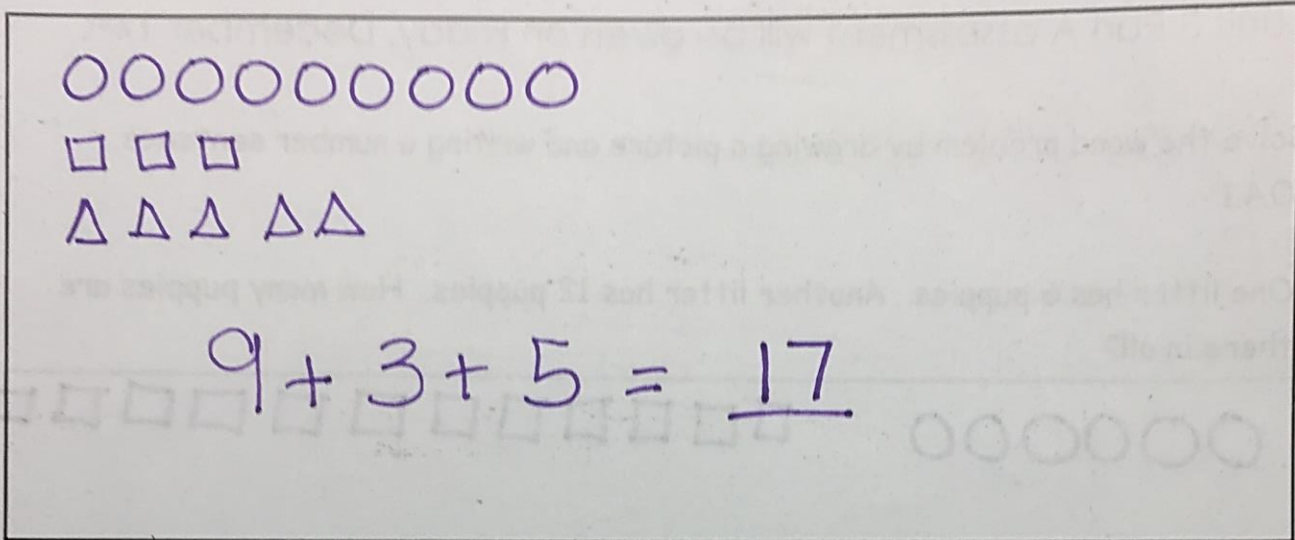
Allie wants to play a math game with her friends. She has some cards. She gets 6 cards from Emily. Now she has 10. How many cards did she start with?

$$\underline{4} + 6 = 10$$



3. Draw a picture and write a number sentence using a symbol for the unknown number.

There are 9 red balls in the bin. There are also 3 blue balls, and 5 red balls in the bin. How many balls are in the bin in all?



A rectangular box containing a hand-drawn diagram. The diagram consists of three rows of symbols: the first row has 9 circles, the second row has 3 squares, and the third row has 5 triangles. Below the symbols, the equation  $9 + 3 + 5 = \underline{17}$  is written in blue ink.

OA.6

4.) Solve.

a)  $4 + 6 = \underline{10}$

b)  $12 + 4 = \underline{16}$

OA.3 5.) Find the missing numbers.

a.  $3 + 7 + 4 = \underline{14}$

b.  $4 + 7 + 3 = \underline{14}$

c.  $5 + 2 + 5 = \underline{12}$

d.  $2 + 5 + 5 = \underline{12}$

e.  $1 + 2 + 8 = \underline{1} + 10$

f.  $7 + 3 + 6 = 6 + \underline{10}$

g.  $3 + \boxed{5} = 8$

h.  $10 + \boxed{8} = 18$

OA.6

6.) Solve the problem below. Explain your strategy using pictures or words.

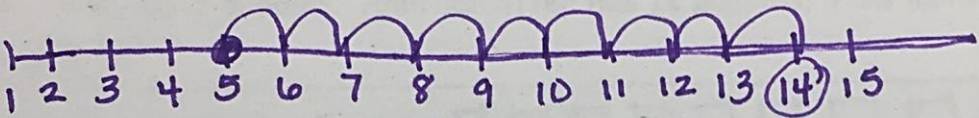
$$5 + 9 =$$

14

Some examples

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or



or

I know  $5 + 10$  is 15, so  $5 + 9 = 14$

or

I said 5 then counted up 9 more to 14

7. Circle True or False. Explain your thinking.

$$12 = 8 + 2$$

True

False

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$$8 + 2 = 10, \text{ not } 12$$

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