

## Formative Assessment 1st Grade

Represent and solve problems involving addition and subtraction.

**MGSE1.OA.1**

Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

Target 1 I can use different strategies for addition and subtraction to solve word problems within 20

Target 2 I can solve for for the missing number

	Target 1	Target 1	Target 2	Target 2
DOK 1	# 1	Word problem (solve)	#5	Number sentence (match)
DOK 2	#2	Word problems (construct)	#6	Sentence with bond (construct)
DOK 2	#3	Word problem (Explain and prove)		
DOK 2				
DOK 3-4	#4	Create and Argue best strategies	#7	Create

MGSE1.OA.1 (Engage NY Module 1 lesson 33-39)

Target 1

Name \_\_\_\_\_

(DOK 1, solve) (Engage NY 1:35)

1. Sydney had 9 building blocks on the table. Her sister gave her 4 more building blocks. How many building blocks does she have now?

She has \_\_\_\_\_ building blocks now.

MGSE1.OA.1 (Engage NY Module 1 lesson 33-39)

Target 1

Name \_\_\_\_\_

(DOK 2, construct) (Engage NY 1:33 and 1:34)

2. Emily saw 12 birds in a tree. After a few minutes, 3 of the birds flew away. How many birds are in the tree now?

\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_      \_\_\_\_\_ birds are in the tree now.

Name \_\_\_\_\_

(DOK 2)

3. Sidney has 11 berries. She used some of them to make a smoothie. Now she has 5 berries. How many berries did she use to make a smoothie. Show your work

\_\_\_\_\_ = \_\_\_\_\_ - 5      \_\_\_\_\_ - 5 = \_\_\_\_\_

She used \_\_\_\_\_ berries to make a smoothie.

Name \_\_\_\_\_

(DOK 4)

4. Create an addition story problem. Solve your problem using two strategies.

Argue how your strategies for solving were the best ways to solve.

Create your addition story here: \_\_\_\_\_

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Solve your problems using two strategies here:

Argue how your strategies for solving were the best ways to solve here: \_\_\_\_\_

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MGSE1.OA.1 (Engage NY Module 1 lesson 33-39)

Target 2

Name \_\_\_\_\_

(DOK 1, match)

5. Match the number sentence to the number bond.

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

MGSE1.OA.1 (Engage NY Module 1 lesson 33-39)

Target 2

Name \_\_\_\_\_

(DOK 2, construct)

6. Construct a number bond with this number sentence

$$9 = 10 - 1 \quad \text{or} \quad 10 - 1 = 9$$

MGSE1.OA.1 (Engage NY Module 1 lesson 33-39)

Target 2

Name \_\_\_\_\_

(DOK 3)

7. Construct an addition and subtraction sentence to match the story.  
At the park, there are 6 friends playing baseball. Some more friends come. Now there are 10 friends playing.

\_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_      \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

MGSE1.OA.4

Target 1

Name \_\_\_\_\_

(DOK 1)

1. Draw a subtraction problem from the number bond.

\_\_\_\_\_

MGSE.OA

Target 1

Name \_\_\_\_\_

2. Create a subtraction sentence from

$7 + 4 = 11$

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Name \_\_\_\_\_

3. Make a math drawing and circle the part you know. Cross out the unknown part. Complete the number sentence and number bond.

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MGSE1.OA.5  
Target 1

Name \_\_\_\_\_

1. Explain how you could use a number line to solve this equation?

$9 + 8 = \underline{\hspace{2cm}}$

MGSE1.OA.5  
Target 1

Name \_\_\_\_\_

2. Create a missing addend story problem. Solve your problem using two strategies. Argue how your strategies for solving were the best ways to solve.

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Name \_\_\_\_\_

3. How is  $4 + 5 = 9$  related to  $9 - 5 = 4$  ?

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MGSE1.OA.5

Target 1

Name \_\_\_\_\_

4. Compare these two equations...

$$13 + 3 = 16$$

$$16 = 3 + \underline{\quad}$$

What do you notice?

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MGSE1.OA.6 (Engage NY Topic I.)

Target 1

Module 1 lessons 33-36

Name \_\_\_\_\_

Module 1 lessons 33-36

1. Recognize how to make 10 using number bonds.



MGSE1.OA.6 (Engage NY Topic I.)

Target 1

Module 1 lessons 33-36

Name \_\_\_\_\_

2. Identify number patterns in related facts.

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

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

$$\underline{\quad\quad} + 5 = 9$$

$$9 - 5 = \underline{\quad\quad}$$

$$\underline{\quad\quad} + 8 = 10$$

$$10 - 8 = \underline{\quad\quad}$$

Name \_\_\_\_\_

3. Construct a related fact given an equation within 20.

Subtraction

Addition

$$14 - 5 = \underline{\quad\quad}$$

\_\_\_\_\_

$$18 - 4 = \underline{\quad\quad}$$

\_\_\_\_\_

$$17 - 2 = \underline{\quad\quad}$$

\_\_\_\_\_

MGSE1.OA.6 (Engage NY Topic I.)

Target 1

Module 1 lessons 33-36

Name \_\_\_\_\_

4. Create a true or false question with this format

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

Prove your answer and cite evidence from strategies you used to solve.

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