Name	Date

## **Grade 3**

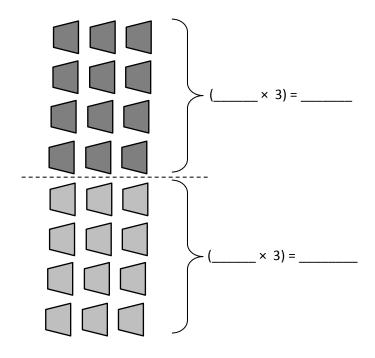
1. Arthur has 4 boxes of chocolates. Each box has 6 chocolates inside. How many chocolates does Arthur have altogether? (G3-M1-L3)

2. Children sit in 2 rows of 9 on the carpet for math time. Erin says, "We make 2 equal groups." Vittesh says, "We make 9 equal groups." Who is correct? Explain how you know using models, numbers, and words. (G3-M1-L8)



**Grade Band:** Participant Problem Set Date:

3.  $8 \times 3 = (4 \times 3) + (4 \times 3) =$  \_\_\_\_\_ (G3-M1-L10)



$$(4 \times 3) + (4 \times 3) =$$
\_\_\_\_\_\_+

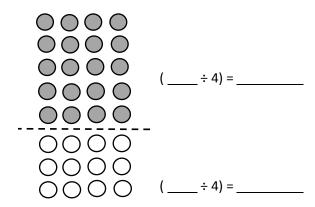
4. Sarah and Esther equally share the cost of a present. The present costs \$18. How much does Sarah pay? (G3-M1-L12)

**Grade Band:** Participant Problem Set 3/18/14

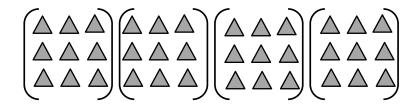
Date:

5. Grace picks 4 flowers from her garden. Each flower has 8 petals. Draw and label a tape diagram to show how many petals there are in total. (G3-M1-L15)

6.  $32 \div 4 = (G3-M1-L19)$ 



a) 3 × 12 = \_\_\_\_\_



b)  $(3 \times 3) \times 4$   $= \times 4$ 

= \_\_\_\_

(G3-M3-L9)



Grade Band: Date: Participant Problem Set 3/18/14

3-5.3

## **Grade 4**

8. The Turner family uses 548 liters of water each day. The Hill family uses 3 times as much water as the Turner family each day. How much water does the Hill family use each week? (G4-M3-L12)

9. The Grand Market sells 3 pounds of oranges for 87 cents. How much does 1 pound of oranges cost at Grand Market? (G4-M3-L18)

10. There are twice as many cows as goats on a farm. All the cows and goats have a total of 1,116 legs. How many goats are there? (G4-M3-L29)

**Grade Band:** Date:

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11. Solve 1,584 ÷ 2: (G4-M3-L33) a) Using number disks.

b) Using the standard algorithm.

12. Solve: 84 × 73. (G4-M3-L38)



**Grade Band:** Participant Problem Set Date:

13.	A bricklayer places 12 bricks along an outside wall	of a shed.	Each brick is ¾ foot long.	How many feet
	long is that wall of the shed? (G4-M5-L36)			

**COMMON CORE MATHEMATICS CURRICULUM** 

14. Kelly's new puppy weighed 4 7/10 pounds when she brought him home. Now the puppy weighs six times as much as he did when he came home. How much does the dog weigh now? (G4-M5-L37)

**COMMON** 

**Grade Band:** Date:

Participant Problem Set

## **Grade 5**

3.445 ÷ 5 = \_\_\_\_\_ 15.

	1		
Ones	Tenths	Hundredths	Thousandths
	1		

5 3 . 4 4 5

16. Solve.

a.  $54 \div 900$ 

b.  $5.4 \div 900$ 



Grade Band: Date:

Participant Problem Set

17. Solve.

a. 
$$\frac{1}{2}$$
 of  $\frac{1}{3}$  =

b. 
$$\frac{2}{3} \times \frac{3}{4} =$$

18. Use a tape diagram and number line to support your response.

a. 2÷	$-\frac{1}{4} = $	
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There are \_\_\_\_ fourths in 1 whole. There are \_\_\_\_ fourths in 2 wholes. b. If 2 is  $\frac{1}{4}$ , what is the whole?

**Grade Band:** Date:

Participant Problem Set 3/18/14