MATH GRADE 3 NTI DAY ONE 3.OAC.1

Multiplication Tables - 2 & 3

Grade 3 Multiplication Worksheet

Find the product.

1. $1 \times 2 =$ _____ 2. $7 \times 2 =$ _____ 3. $11 \times 2 =$ _____

4. $6 \times 3 =$ _____ 5. $11 \times 3 =$ _____ 6. $3 \times 2 =$ _____

7. $5 \times 3 =$ _____ 8. $6 \times 2 =$ _____ 9. $9 \times 2 =$ _____

10. $12 \times 2 =$ _____ 11. $7 \times 3 =$ _____ 12. $10 \times 3 =$ _____

13. $3 \times 3 =$ _____ 14. $8 \times 2 =$ _____ 15. $12 \times 3 =$ _____

16. $4 \times 3 =$ _____ 17. $10 \times 2 =$ _____ 18. $8 \times 3 =$ _____

19. $9 \times 3 =$ _____ 20. $2 \times 2 =$ _____ 21. $5 \times 2 =$ _____

22. $2 \times 3 =$ _____ 23. $4 \times 2 =$ _____ 24. $1 \times 3 =$ _____

25. $2 \times 3 =$ _____ 26. $11 \times 3 =$ _____ 27. $3 \times 3 =$ _____

Name _____

Lesson 1

COMMON CORE STANDARD CC.3.OA.1

Lesson Objective: Model and skip count objects in equal groups to find how many there are.

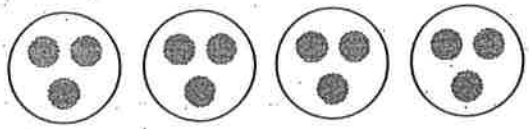
Count Equal Groups

Equal groups have the same number in each group.

There are 3 tulips in each of 4 vases. How many tulips are there in all?

Step 1 Think: there are 4 vases, so draw **4** circles to show **4** equal groups.

Step 2 Think: there are 3 tulips in each vase, so draw **3** dots in each group.



Step 3 Skip count by 3s to find how many in all: 3, **6**, **9**, **12**

There are **4** equal groups with **3** tulips in each group.

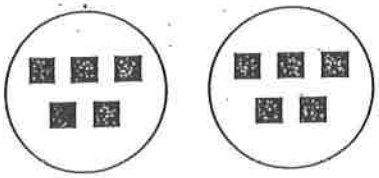
So, there are **12** tulips in all.

1. Draw 3 groups of 5. Skip count to find how many.

_____ in all

Count equal groups to find how many.

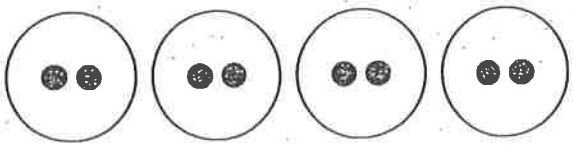
2.



___ groups of ___

___ in all

3.



___ groups of ___

___ in all

Name _____

Lesson 1
CC.3.OA.1

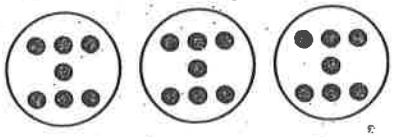
1. There are 5 tables in the library. Four students are sitting at each table.

How many students are sitting in the library?

Ⓐ 9 Ⓒ 20

Ⓑ 16 Ⓓ 24

2. Alondra made 3 bracelets. There are 7 beads on each bracelet.

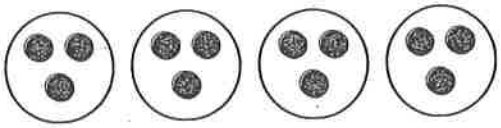


How many beads did Alondra use to make the bracelets?

Ⓐ 10 Ⓒ 21

Ⓑ 14 Ⓓ 24

3. Stella decorated using 4 groups of balloons. She drew this model to show the number of balloons.



How many balloons did Stella use to decorate?

Ⓐ 3 Ⓒ 9

Ⓑ 6 Ⓓ 12

4. Mrs. Bennett sorted spools of thread into 3 containers. Each container held 3 spools.

How many spools of thread does Mrs. Bennett have in all?

Ⓐ 6 Ⓒ 10

Ⓑ 9 Ⓓ 12

Problem Solving REAL WORLD

5. Marcia puts 2 slices of cheese on each sandwich. She makes 4 cheese sandwiches. How many slices of cheese does Marcia use in all?

_____

6. Tomas works in a cafeteria kitchen. He puts 3 cherry tomatoes on each of 5 salads. How many tomatoes does he use?

_____

Name _____

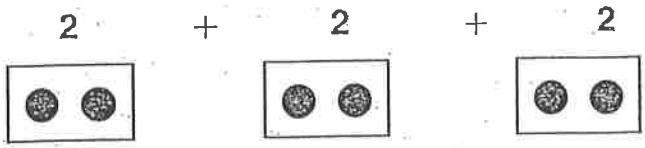
Lesson 2

COMMON CORE STANDARD CC.3.OA.1

Lesson Objective: Write an addition sentence and a multiplication sentence for a model.

Algebra • Relate Addition and Multiplication

You can add to find how many in all.



$2 + 2 + 2 = 6$

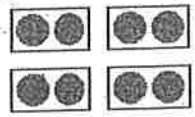
You can also multiply to find how many in all when you have equal groups.

$3 \times 2 = 6$

The **factors** are 3 and 2.
The **product** is 6.

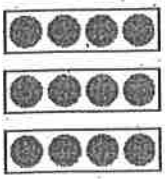
So, $2 + 2 + 2 = 6$ and $3 \times 2 = 6$.

Write related addition and multiplication sentences for the model.

1. 

___ + ___ + ___ + ___ = ___

___ × ___ = ___

2. 

___ + ___ + ___ = ___

___ × ___ = ___

Draw a quick picture to show the equal groups. Then write related addition and multiplication sentences.

3. 4 groups of 3

___ + ___ + ___ + ___ = ___

___ × ___ = ___

4. 2 groups of 3

___ + ___ = ___

___ × ___ = ___

Name _____

Lesson 2
CC.3.OA.1

1. Eric was doing his math homework. Eric wrote:

   $2 + 2 + 2 + 2 + 2$

   Which is another way to show what Eric wrote?

   Ⓐ 2×2 Ⓒ 10×2

   Ⓑ 5×2 Ⓓ $5 + 2$

2. Dallas and Mark each sharpened 4 pencils before school.

   Which sentence shows the number of pencils sharpened in all?

   Ⓐ $2 + 2 = 4$ Ⓒ $4 \times 4 = 16$

   Ⓑ $4 + 2 = 6$ Ⓓ $2 \times 4 = 8$

3. A pet store has some fish bowls on display. There are 3 fish in each of 5 bowls. Which number sentence shows how many fish there are in all?

   Ⓐ $5 \times 3 = 15$ Ⓒ $5 + 3 = 8$

   Ⓑ $5 \times 5 = 25$ Ⓓ $3 \times 3 = 9$

4. Carlos spent 5 minutes working on each of 8 math problems. He can use 8×5 to find the total number of minutes he spent on the problems. Which is equal to 8×5?

   Ⓐ $8 + 5$

   Ⓑ $8 + 8 + 8$

   Ⓒ $5 + 5 + 5 + 5 + 5$

   Ⓓ $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5$

Problem Solving REAL WORLD

5. There are 6 jars of pickles in a box. Ed has 3 boxes of pickles. How many jars of pickles does he have in all? Write a multiplication sentence to find the answer.

   ___ × ___ = ___ jars

6. Each day, Jani rides her bike 5 miles. How many miles does Jani ride in all in 4 days? Write a multiplication sentence to find the answer.

   ___ × ___ = ___ miles

Domain 2: Cumulative Assessment for Lessons 9–18

1. Which is equal to 8×4?

   ○ **A.** $4 + 4 + 4 + 4$

   ○ **B.** $8 + 8 + 8 + 8$

   ○ **C.** $8 + 8$

   ○ **D.** $8 + 4 + 8 + 4$

2. Which shows the associative property of multiplication?

   ○ **A.** $1 \times 8 = 8$

   ○ **B.** $(5 \times 6) = (3 \times 10)$

   ○ **C.** $(5 \times 6) = (6 \times 5)$

   ○ **D.** $3 \times (5 \times 4) = (3 \times 5) \times 4$

3. Find the quotient.

   $32 \div 4 = \square$

   ○ **A.** 28

   ○ **B.** 8

   ○ **C.** 6

   ○ **D.** 4

4. Which number makes both sentences true?

   $36 \div \square = 4$

   $4 \times \square = 36$

   ○ **A.** 10

   ○ **B.** 9

   ○ **C.** 8

   ○ **D.** 7

5. Tasha has 5 sheets of stickers. Each sheet has 12 stickers on it. How many stickers does Tasha have in all?

   ○ **A.** 60

   ○ **B.** 55

   ○ **C.** 50

   ○ **D.** 17

6. Which sentence is true?

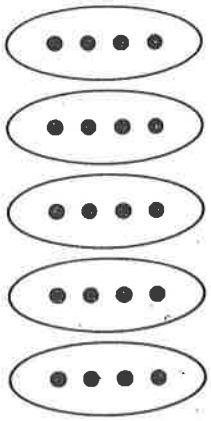
   ○ **A.** A number times 4 could be odd or even.

   ○ **B.** A number times 6 is always an even number.

   ○ **C.** A number times 7 is always an even number.

   ○ **D.** A number times 8 could be odd or even.

7. Which division fact does this picture show?



- ○ **A.** $20 \div 2 = 10$
- ○ **B.** $20 \div 5 = 4$
- ○ **C.** $15 \div 3 = 5$
- ○ **D.** $20 \div 1 = 20$

8. Which multiplication fact can be used to find the missing number?

$42 \div \square = 7$

- ○ **A.** $2 \times 21 = 42$
- ○ **B.** $3 \times 14 = 42$
- ○ **C.** $6 \times 7 = 42$
- ○ **D.** $42 \times 1 = 42$

9. Each Ferris wheel ride can seat 40 people. The Ferris wheel gives 6 rides each hour. What is the greatest number of people that can ride the Ferris wheel in an hour?

_____

10. Mrs. Wagner has 8 bookshelves in her classroom. Each shelf has 7 books on it.

A. Draw a model of the problem.

B. Write a multiplication sentence for the problem. Use the symbol ☐ for the product.

_____ × _____ = ☐

C. How many books are on Mrs. Wagner's bookshelves?

_____