TLC Public Charter School
LEADERSHIP • EQUITY • EVERYONE

TLC ‘25 - ‘26 Math Initiative Parent Workshop

12/4/2025

Please Sign In →

Por favor inicia sesión →

Go Math Curriculum

All classes Kinder-6th Grade

Aligned to CA State Standards

Focus on deep understanding, multiple strategies, and explaining thinking.

Lesson Cycle: Engage → Explore → Explain → Practice → Apply

Go Math Plan de Estudios

Todas las clases, desde kínder hasta sexto grado

Alineado con los Estándares Estatales de California

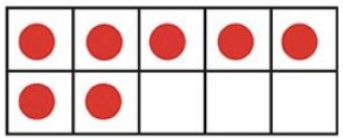
Enfoque en la comprensión profunda, la multiplicidad de estrategias y el razonamiento explicativo.

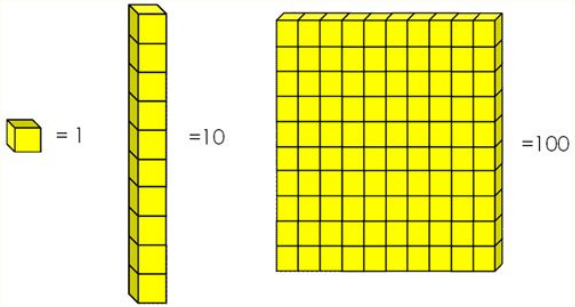
Ciclo de lecciones: Involucrar → Explorar → Explicar → Practicar → Aplicar

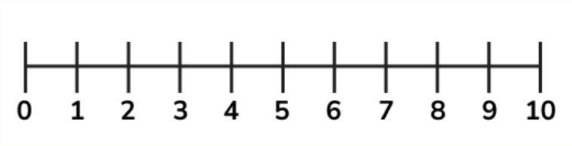
Supporting your child with Go Math!

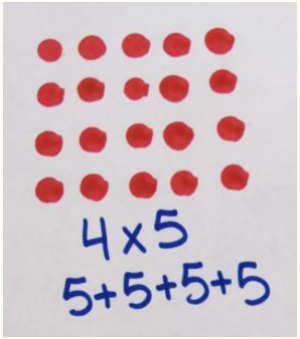
Visual Models:

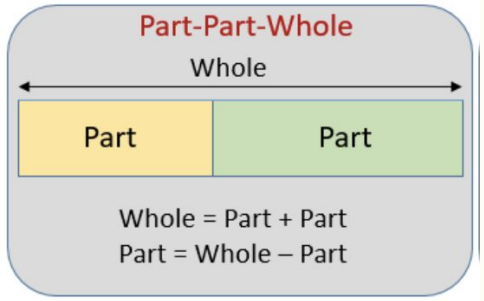
- Ten frames
- Number lines
- Base-ten blocks
- Arrays
- Bar Models











Multiple Strategies Encouraged:

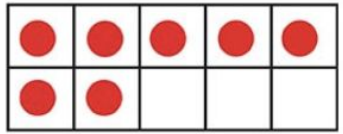
- Making 10s
- Doubles
- Decomposing numbers
- Area models

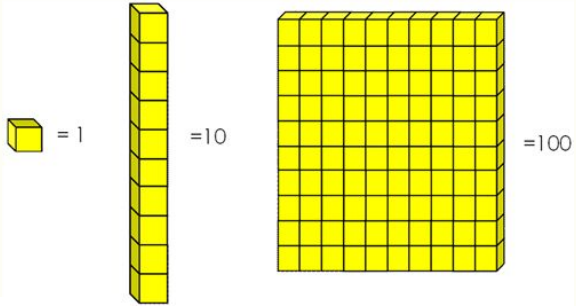
*Help students focus on a strategy that works for them!

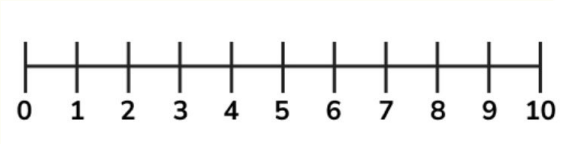
¡Apoyando a su hijo con Go Math!

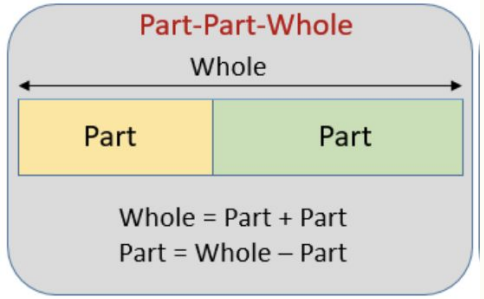
Modelos visuales:

- Marcos de diez
- Rectas numéricas
- Bloques de base diez
- Matrices
- Modelos de barras



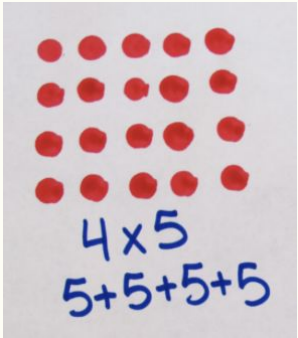






Se fomentan múltiples estrategias:

Formando decenas
Dobles
Descomponiendo números
Modelos de área
*¡Ayuda a los estudiantes a concentrarse en una estrategia que les funcione!



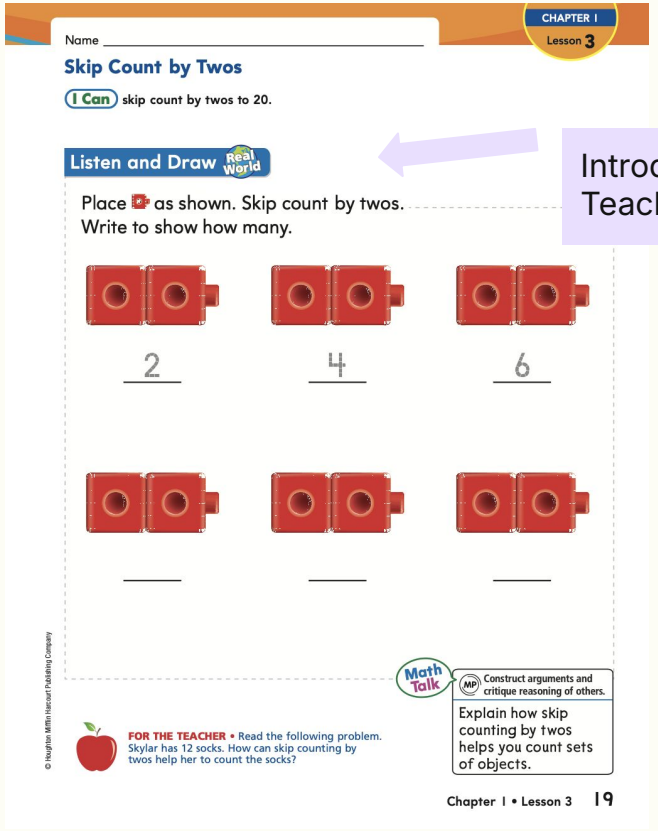
TK Math - DIG Curriculum

- Number Sense & Counting
- Patterns, Sorting, & Early Operations
- Shapes & Spatial Thinking
- Measurement & Comparison
- Data & Categorizing
- Math Talk & Problem Solving

TK Matemáticas - DIG Curriculum

- Sentido numérico y conteo
- Patrones, clasificación y operaciones básicas
- Formas y pensamiento espacial
- Medición y comparación
- Datos y categorización
- Conversación matemática y resolución de problemas

Lower Grade (Kinder-2nd) Math Example:



CHAPTER 1
Lesson 3

Name _____

Skip Count by Twos

I Can skip count by twos to 20.

Listen and Draw Real World

Place as shown. Skip count by twos.
Write to show how many.

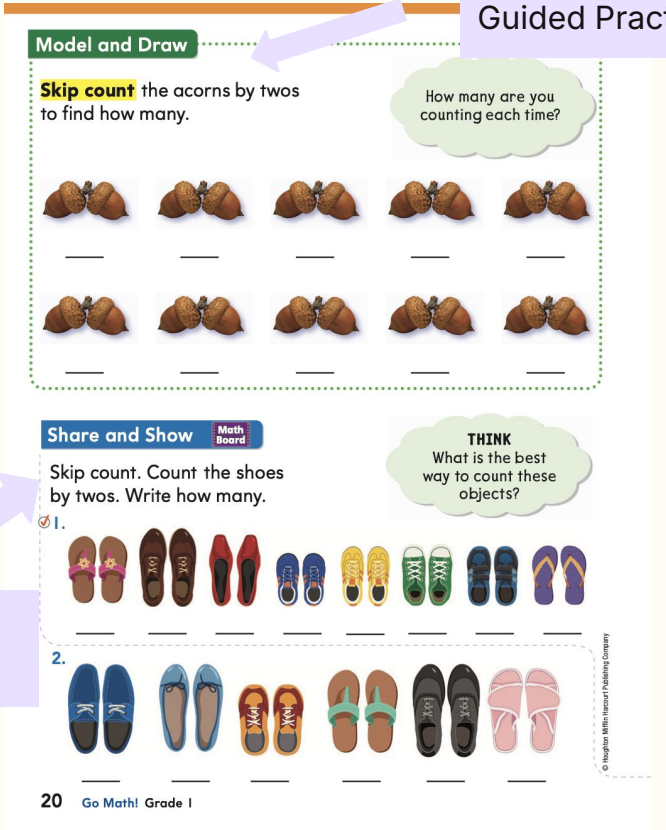
2 4 6

Math Talk
MP Construct arguments and critique reasoning of others.
Explain how skip counting by twos helps you count sets of objects.

FOR THE TEACHER • Read the following problem. Skylar has 12 socks. How can skip counting by twos help her to count the socks?

Introduction:
Teacher-led Lesson

Teacher-Led
Guided Practice



Model and Draw

Skip count the acorns by twos to find how many.

How many are you counting each time?

Share and Show Math Board

Skip count. Count the shoes by twos. Write how many.

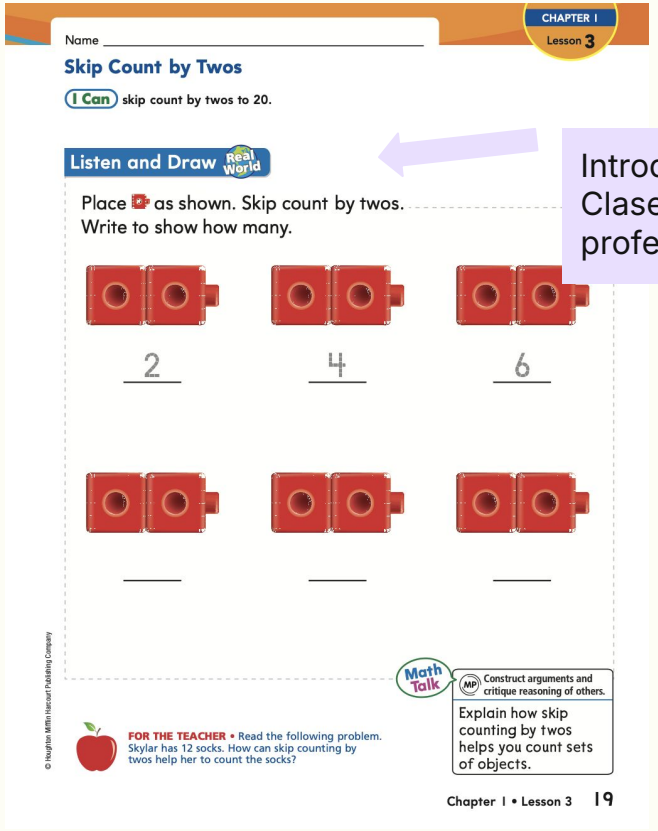
THINK
What is the best way to count these objects?

1.

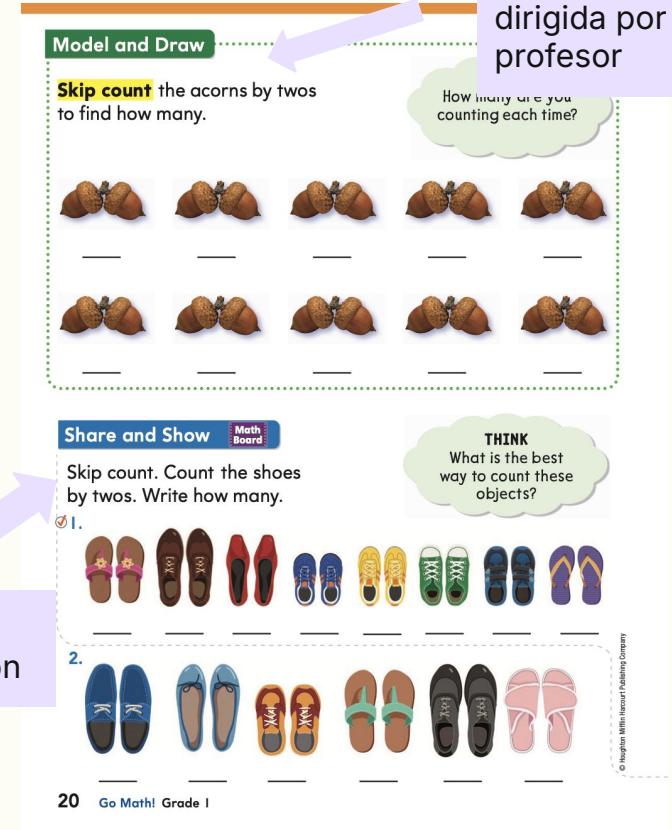
2.

Check for
Understanding

Grados Basicos (Kinder-2nd) Ejemplo de Matemática:



Introducción:
Clase dirigida por el profesor



Práctica guiada dirigida por el profesor

Comprobación de comprensión

Lower Grade (Kinder-2nd) Math Example CONTINUED:

Independent Practice

Real World Connections

Name _____

On Your Own

Skip count. Write how many.

3. 

____ pennies

4. 

____ shells

Use skip counting by twos to solve.
Write or draw to explain.

5. There are two colors on each paint tray. How many colors would be on 5 trays?

____ colors

6. There are 8 children in the park. Each child has a bicycle. There are two tires on each bicycle. How many tires are there?

____ tires

Problem Solving • Applications Real World

Solve.

7. There are 14 dancers on the dance floor. Skip count. How many groups of 2 are on the dance floor?

○ 4 ○ 7 ○ 12

8. Alyssa is placing socks in pairs. Skip count by twos. Which numbers come next?

8, 10, _____, _____, _____

○ 20, 30, 40
○ 12, 14, 16
○ 11, 12, 13

9. Omar gives 2 stickers to each of his cousins. Omar has 6 cousins. How many stickers did Omar give to his cousins?

_____

10. Which number comes after 14 when skip counting by twos?

○ 13 ○ 16 ○ 15

TAKE HOME ACTIVITY • Give your child a handful of pennies. Have the child group the pennies in pairs and then count them by twos.

Grados Basicos (Kinder-2nd) Ejemplo de Matemática continuado:

Práctica independiente

Conexiones con el mundo real

Name _____

On Your Own

Skip count. Write how many.

3. 

____ pennies

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Use skip counting by twos to solve.
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TAKE HOME ACTIVITY • Give your child a handful of pennies. Have the child group the pennies in pairs and then count them by twos.

Lower Grade (Kinder-2nd) Math Example CONTINUED:

Homework/
Extra Practice

Name _____

LESSON 1.3
Practice and Homework

Skip Count by Twos

Skip count. Count the cherries by twos.
Write how many.

1. 

____ ____ ____ ____ ____ ____

2. Skip count. Write how many.

____ socks

Problem Solving Real World

Use skip counting by twos to solve.
Write or draw to explain.

3. There are 2 pictures on every page of a book. There are 9 pages in the book. How many pictures are in the book?

____ pictures

Lesson Check

Choose the correct answer.

4. There are 16 twins in the town. Skip count. How many pairs of twins are in the town?

○ 2 ○ 6 ○ 8

5. Carla has 5 flower pots. She plants 2 seeds in each pot. Then she plants 2 more seeds in each pot. Skip count by twos. How many seeds did Carla plant?

○ 9 ○ 10 ○ 20

Spiral Review

6. Which number comes after 58 when counting forward by ones?

○ 50 ○ 59 ○ 60

7. Georgia has 64 shells. She gives 5 shells to her sister. Count backward to see how many shells Georgia has now.

64, _____, _____, _____, _____, _____

Grados Basicos (Kinder-2nd) Ejemplo de Matemática continuado:

Tarea/Práctica adicional

Name _____

LESSON 1.3
Practice and Homework

Skip Count by Twos

Skip count. Count the cherries by twos.
Write how many.

1. 

____ ____ ____ ____ ____ ____

2. Skip count. Write how many.

____ socks

Problem Solving Real World

Use skip counting by twos to solve.
Write or draw to explain.

3. There are 2 pictures on every page of a book. There are 9 pages in the book. How many pictures are in the book?

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Lesson Check

Choose the correct answer.

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64, _____, _____, _____, _____, _____

Upper Grade (3rd-6th) Math Example:

Name ______________________________

Comparison Problems

I Can draw models and write equations to help solve comparison problems.

Introduction:
Teacher-led Lesson

UNLOCK the Problem Real World

Evan's dog weighs 7 times as much as Oxana's dog. Together, the dogs weigh 72 pounds. How much does Evan's dog weigh?

Example 1 Use a multiplication model.

STEP 1 Draw a model. Let n represent the unknown.

Think: Let n represent how much Oxana's dog weighs. Together, the dogs weigh 72 pounds.

Evan's ____ ____ ____ ____ ____ ____ ____

Oxana's ____

STEP 2 Use the model to write an equation. Find the value of n.

____ $\times n =$ ____ Think: There are 8 parts. The parts together equal 72.

$8 \times$ ____ $= 72$ Think: 8 times what number equals 72?

The value of n is 9.

n is how much ____________ weighs.

STEP 3 Find how much Evan's dog weighs.

Think: Evan's dog weighs 7 times as much as Oxana's dog.

Evan's dog = ____ $\times$ ____ Multiply.

= ____

So, Evan's dog weighs 63 pounds.

Math Talk — MP Construct arguments and critique reasoning of others.
How can you tell if you found the correct weight of Evan's dog?

To find how many times as much, use a multiplication model. To find how many more or fewer, model the addition or subtraction.

Evan's dog weighs 63 pounds. Oxana's dog weighs 9 pounds. How much more does Evan's dog weigh than Oxana's dog?

Teacher-Led
Guided Practice

Example 2 Use an addition or subtraction model.

STEP 1 Draw a model. Let n represent the unknown.

Think: Let n represent the difference.

STEP 2 Use the model to write an equation. Find the value of n.

____ − ____ $= n$ Think: The model shows a difference.

63 − 9 = ____ Subtract.

The value of n is ____.

n is ________________________________.

So, Evan's dog weighs 54 pounds more than Oxana's dog.

Share and Show Math Board

Math Talk — MP Reason abstractly and quantitatively.
How do you know which model to use to solve a comparison problem?

1. Maria's dog weighs 6 times as much as her rabbit. Together, the pets weigh 56 pounds. What does Maria's dog weigh?

Draw a model. Let n represent the unknown.

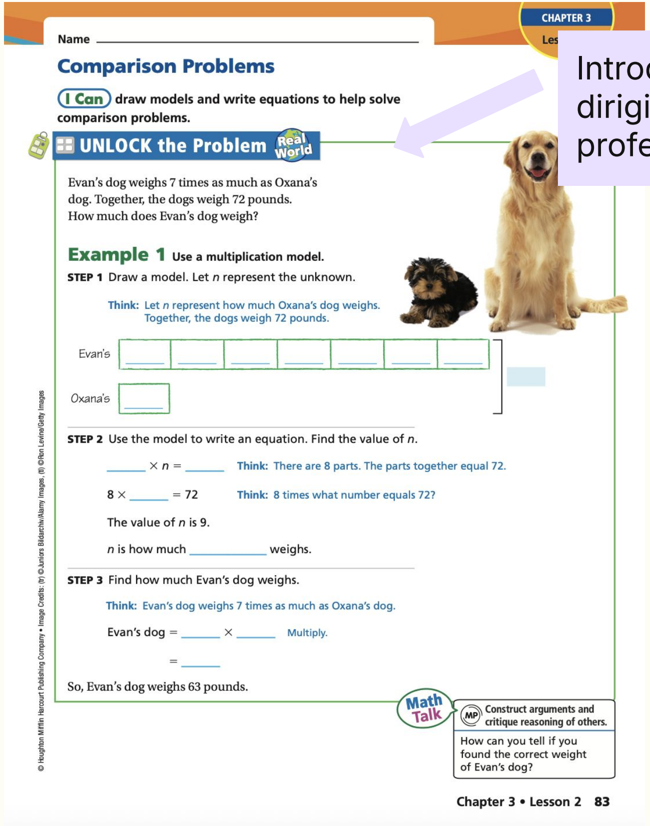
Write an equation to find the value of n. $7 \times n =$ ____. n is ____ pounds.

Multiply to find how much Maria's dog weighs. $8 \times 6 =$ ____

So, Maria's dog weighs ____ pounds.

Check for
Understanding

Grados Superior (3rd-6th) Ejemplo de Matemática :


Name ____

CHAPTER 3

Les

Comparison Problems

I Can draw models and write equations to help solve comparison problems.

UNLOCK the Problem Real World

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Think: Let n represent how much Oxana's dog weighs. Together, the dogs weigh 72 pounds.

Evan's ____ ____ ____ ____ ____ ____ ____

Oxana's ____

STEP 2 Use the model to write an equation. Find the value of n.

____ $\times n =$ ____ Think: There are 8 parts. The parts together equal 72.

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The value of n is 9.

n is how much ____ weighs.

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Think: Evan's dog weighs 7 times as much as Oxana's dog.

Evan's dog $=$ ____ $\times$ ____ Multiply.

$=$ ____

So, Evan's dog weighs 63 pounds.

Math Talk — MP Construct arguments and critique reasoning of others. How can you tell if you found the correct weight of Evan's dog?

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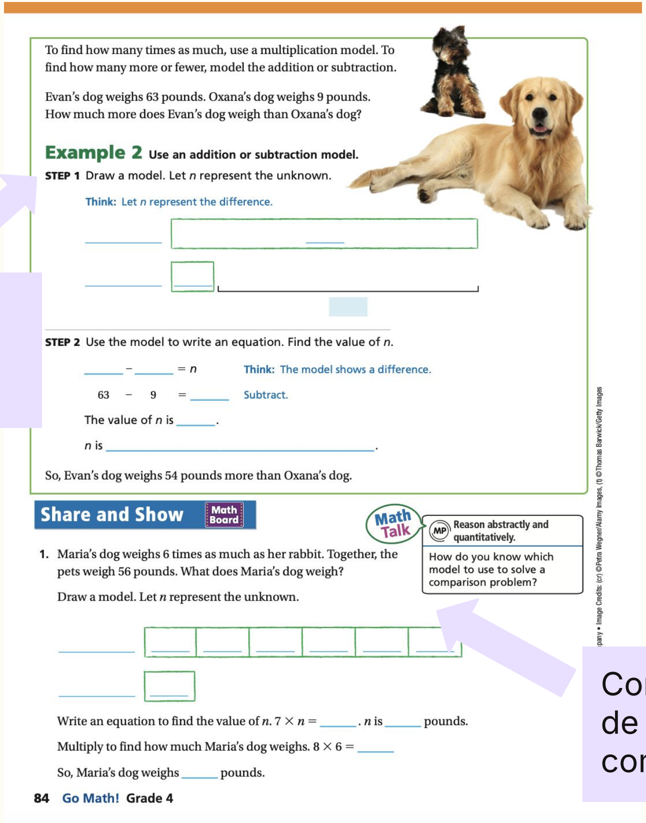
Chapter 3 • Lesson 2 83


To find how many times as much, use a multiplication model. To find how many more or fewer, model the addition or subtraction.

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STEP 1 Draw a model. Let n represent the unknown.

Think: Let n represent the difference.

STEP 2 Use the model to write an equation. Find the value of n.

____ $-$ ____ $= n$ Think: The model shows a difference.

$63 - 9 =$ ____ Subtract.

The value of n is ____.

n is ____.

So, Evan's dog weighs 54 pounds more than Oxana's dog.

Share and Show Math Board

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Draw a model. Let n represent the unknown.

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Multiply to find how much Maria's dog weighs. $8 \times 6 =$ ____

So, Maria's dog weighs ____ pounds.

Math Talk — MP Reason abstractly and quantitatively. How do you know which model to use to solve a comparison problem?

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84 Go Math! Grade 4

Introducción: Clase dirigida por el profesor

Práctica guiada dirigida por el profesor

Comprobación de comprensión

Upper Grade (3rd-6th) Math Example CONTINUED:

Name _____

Draw a model. Write an equation and solve.

2. Last month Nikita trained 3 times as many dogs as cats. If the total number of cats and dogs she trained last month is 28, how many cats did Nikita train?

Draw a model.

Write an equation and solve.

3. How many more dogs than cats did Nikita train?

Draw a model.

Write an equation and solve.

Check for Understanding

On Your Own

Practice: Copy and Solve Draw a model.

Write an equation and solve.

4. At the dog show, there are 4 times as many boxers as spaniels. If there are a total of 30 dogs, how many dogs are spaniels?

5. There are 5 times as many yellow labs as terriers in the dog park. If there are 18 dogs at the dog park, how many yellow labs are there?

6. Vadim has 3 times as many guppies as goldfish. If he has 28 fish, how many guppies does he have?

7. Carlita saw 5 times as many robins as cardinals while bird watching. She saw a total of 24 birds. How many more robins did she see than cardinals?

Chapter 3 • Lesson 2 85

Independent Practice

Problem Solving · Applications

Real World

8. Cienna and Sven are solving math problems using equations. Tell whether each person's equation is *true* or *false*. Explain your answer.

Cienna: $5 \times 8 = 8+8+8+8+8$

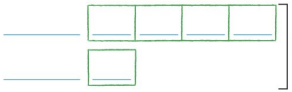
Sven: $56 \div 7 = 15-6$

9. Is the equation true or false? Explain.

$5 \times 11 = 5 + 5 + 5 + 5 + 5 + 5$

10. Noah built a fenced dog run that is 4 times as long as it is wide. The width is 3 yards. He placed posts at every corner and every yard along the length and width of the run. How many posts did he use?

11. Last weekend, Mandy collected 4 times as many shells as Cameron. Together, they collected 60 shells. How many shells did Mandy collect? Complete the bar model. Then, write an equation and solve.



Show the Math

Demonstrate Your Thinking

86 Go Math! Grade 4

Real World Connections/ Test Prep

Grados Superior (3rd-6th) Ejemplo de Matemática continuado:

Name _____

Draw a model. Write an equation and solve.

2. Last month Nikita trained 3 times as many dogs as cats. If the total number of cats and dogs she trained last month is 28, how many cats did Nikita train?

Draw a model. | Write an equation and solve.

3. How many more dogs than cats did Nikita train?

Draw a model. | Write an equation and solve.

On Your Own

Practice: Copy and Solve Draw a model.

Write an equation and solve.

4. At the dog show, there are 4 times as many boxers as spaniels. If there are a total of 30 dogs, how many dogs are spaniels?

5. There are 5 tim… terriers in the … at the dog park, how many yellow labs are there?

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Chapter 3 • Lesson 2 85

Comprobación de comprensión

Práctica independiente

Problem Solving · Applications

Real World

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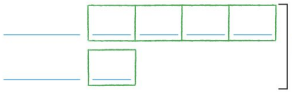

Show the Math

Demonstrate Your Thinking

86 Go Math! Grade 4

Conexiones con el mundo real / Preparación para exámenes

Upper Grade (3rd-6th) Math Example CONTINUED:

Homework/
Extra Practice

Name

LESSON 3.2
Practice and Homework

Comparison Problems

Draw a model. Write an equation and solve.

1. Sarita made a necklace using 4 times as many blue beads as red beads. She used a total of 40 beads. How many blue beads did Sarita use?

   Think: Sarita used a total of 40 beads. Let *n* represent the number of red beads.

   

   $5 \times n = 40$; $5 \times 8 = 40$;

   $4 \times 8 = 32$ blue beads

2. At the zoo, there were 3 times as many monkeys as lions. Tom counted a total of 11 lions. How many monkeys were there?

Problem Solving Real World

3. Rafael counted a total of 40 white cars and yellow cars. There were 9 times as many white cars as yellow cars. How many white cars did Rafael count?

4. Is the equation true or false? Explain.

   $6 \times 12 = 12 + 12 + 12 + 12 + 12 + 12$

5. **Write Math** Write a problem involving *how much more than* and solve it. Explain how drawing a diagram helped you solve the problem.

Lesson Check

6. Sari has 3 times as many pencil erasers as Sam. Together, they have 28 erasers. How many erasers does Sari have?

7. Is the equation true or false? Explain.

   $3 \times 8 = 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8$

Spiral Review

8. Barbara has 9 stuffed animals. Trish has 3 times as many stuffed animals as Barbara. How many stuffed animals does Trish have?

9. There are 104 students in the fourth grade at Suvi's school. One day, 15 fourth-graders were absent. How many fourth-graders were at school that day?

10. Joshua has 112 rocks. Jose has 98 rocks. Albert has 107 rocks. Write the boy's names in order from the least to the greatest number of rocks owned.

11. Alicia has 32 stickers. This is 4 times as many stickers as Benita has. How many stickers does Benita have?

Review of previous lessons

Grados Superior (3rd-6th) Ejemplo de Matemática continuado:

Tarea/Práctica adicional

Name

LESSON 3.2
Practice and Homework

Comparison Problems

Draw a model. Write an equation and solve.

1. Sarita made a necklace using 4 times as many blue beads as red beads. She used a total of 40 beads. How many blue beads did Sarita use?

   Think: Sarita used a total of 40 beads. Let *n* represent the number of red beads.

   blue: *n* *n* *n* *n*
   red: *n*
   40

   $5 \times n = 40$; $5 \times 8 = 40$;

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9. There are 104 students in the fourth grade at Suvi's school. One day, 15 fourth-graders were absent. How many fourth-graders were at school that day?

10. Joshua has 112 rocks. Jose has 98 rocks. Albert has 107 rocks. Write the boy's names in order from the least to the greatest number of rocks owned.

11. Alicia has 32 stickers. This is 4 times as many stickers as Benita has. How many stickers does Benita have?

Repaso de lecciones anteriores

Some Fun & Easy Math Games and Routines

Algunos juegos y rutinas de matemáticas divertidos y fáciles

Games to Play with a Deck of Cards:

- Make 10
- Build a Number
- Add/ Multiply War

Juegos con baraja:

- Formar 10
- Construir un número
- Guerra de Suma/Multiplica

Make 10:

- Flip 5-6 cards face up
- Players race to find cards that make 10
- Remove the cards used and replace with new ones.
- *can do this with other target numbers!

Formar 10:

- Voltear 5 o 6 cartas boca arriba.
- Los jugadores compiten para encontrar cartas que formen 10.
- Retirar las cartas usadas y reemplazarlas con nuevas.
- *¡Puedes hacer esto con otros números objetivo!

12-2=10

1+2+7=10

Build a Number

- Each player gets 2 cards and makes the biggest number that they can with them
- Show numbers
- Biggest number wins!

75 > 43

Construye un número

- Cada jugador recibe 2 cartas y forma el número más grande que pueda con ellas.
- Mostrar números
- ¡El número más grande gana!

75 > 43

Multiplication War

- Each player gets 2 cards
- Multiply them together
- Largest product wins!

7×5=35

4×3=12

Guerra de multiplicación

- Cada jugador recibe 2 cartas.
- Multiplícalas.
- ¡El producto más grande gana!

7×5=35

4×3=12

Thank you for coming!

Please make sure you signed in

¡Gracias por venir!
Asegúrate de iniciar sesión.