Adding by Counting On and Making a Ten

Name: _____

Add.

1. $8 + 2 =$ _____
2. $8 + 3 =$ _____
3. $6 + 4 =$ _____
4. $6 + 8 =$ _____
5. $7 + 3 =$ _____
6. $7 + 5 =$ _____
7. $9 + 1 =$ _____
8. $9 + 6 =$ _____
9. $5 + 5 =$ _____
10. $5 + 8 =$ _____
11. $9 + 2 =$ _____
12. $2 + 9 =$ _____
13. $8 + 4 =$ _____
14. $4 + 8 =$ _____
15. $6 + 9 =$ _____
16. $6 + 7 =$ _____

17. Which strategy did you use to solve problem 11? Explain.

Using Doubles and Doubles Plus 1

Name: _____

Add.

1. $4 + 4 =$ _____
2. $4 + 5 =$ _____
3. $6 + 6 =$ _____
4. $5 + 6 =$ _____
5. $7 + 7 =$ _____
6. $8 + 7 =$ _____
7. $9 + 9 =$ _____
8. $8 + 9 =$ _____
9. $5 + 5 =$ _____
10. $6 + 5 =$ _____
11. $8 + 8 =$ _____
12. $7 + 8 =$ _____

13. Which strategy did you use to solve problem 12? Explain why.

Counting On and Making a Ten to Subtract

Name: _____

Complete each set of equations.

1. $12 - 3 = \square$
   $3 + \square = 12$

2. $14 - 5 = \square$
   $5 + \square = 14$

3. $11 - 3 = \square$
   $3 + \square = 11$

4. $15 - 7 = \square$
   $7 + \square = 15$

5. $12 - \square = 10$
   $12 - 4 = \square$

6. $13 - \square = 10$
   $13 - 6 = \square$

7. $16 - \square = 10$
   $16 - 9 = \square$

8. $15 - \square = 10$
   $15 - 9 = \square$

9. In problem 6, how did you use your first answer to find your second answer?

Solving Take-Apart Word Problems

Name: _____

Solve problems 1–6.

1. Hailey buys 9 potatoes. 4 potatoes are white. The rest are red. How many red potatoes are there? Show your work.

Solution _____ potatoes are red.

2. Levi has 17 pet fish. 7 of the fish are goldfish. The rest are mollies. How many fish are mollies? Show your work.

Solution _____ fish are mollies.

3. Ada wants to read 12 books over the summer. 5 books are stories about cats. The rest are stories about horses. How many books are stories about horses? Show your work.

Solution _____ books are stories about horses.

4. There are 16 chairs at a table. 7 students sit down. The rest of the chairs are empty. How many chairs are empty? Show your work.

Solution _____ chairs are empty.

Solving Take-Apart Word Problems *continued*

Name: _____

5 Luis sees 14 dogs at the dog park. 6 of the dogs are small dogs. The rest of the dogs are big dogs. How many dogs are big? Show your work.

Solution _____ dogs are big.

6 Sadie has 20 crayons. She finds 8 crayons in her desk. The rest of the crayons are in her crayon box. How many crayons are in Sadie's crayon box? Show your work.

Solution _____ crayons are in the crayon box.

7 Which strategy did you use to solve problem 6? Explain why.

Solving Comparison Word Problems

Name: _____

Solve problems 1–6. Show your work.

1. There are 4 fewer cats than dogs. There are 2 cats. How many dogs are there?

_____ dogs

2. Trevor sees 8 red birds. He sees 5 more red birds than blue birds. How many blue birds does Trevor see?

Trevor sees _____ blue birds.

3. Anna has 7 baskets and some flowers. She has 5 fewer baskets than flowers. How many flowers does Anna have?

Anna has _____ flowers.

4. There are 14 coats and some hats. There are 6 more coats than hats. How many hats are there?

_____ hats

5. There are 9 apples. There are 6 fewer apples than oranges. How many oranges are there?

_____ oranges

6. Brynne has 13 books. She has 8 more books than games. How many games does Brynne have?

Brynne has _____ games.

Ways to Solve Two-Step Problems

Name: _____

Solve problems 1–6. Show your work.

1 Jack has 9 flowers to plant. He plants 2 flowers before lunch. Then he plants 3 more after lunch. How many flowers does Jack have left to plant?

Jack has _____ flowers left to plant.

2 There are 8 girls at the park. First, 5 girls go home. Then 6 more girls come to the park. How many girls are at the park now?

There are _____ girls at the park.

3 Bella paints 6 pictures on Monday and 8 pictures on Wednesday. Then she paints 3 more pictures on Friday. How many pictures does Bella paint this week?

Bella paints _____ pictures this week.

4 Ali puts 12 books in a box. She takes 4 books out of the box. Then she puts 6 books in the box. How many books are in the box now?

There are _____ books in the box.

5 Lucas has 5 crayons. His sister gives him 6 more. Then he gives 4 to a friend. How many crayons does Lucas have now?

Lucas has _____ crayons.

6 Miss Brady puts 15 pencils in her desk. Then she takes out 9 pencils. After school she puts 5 pencils back in her desk. How many pencils are in Miss Brady's desk now?

There are _____ pencils in the desk.

Ways to Model Word Problems

Name: _____

Solve problems 1–6. Show your work.

1 Tony has 37 building blocks. Then he buys more blocks. Now he has 51 blocks. How many blocks does Tony buy?

Tony buys _____ blocks.

2 There are some chairs in the art room. Mrs. Lopez brings in 16 more chairs. Now there are 42 chairs. How many chairs were in the room at the start?

There were _____ chairs in the room at the start.

3 Jen has some buttons. She gets 23 more buttons from her mom. Now she has 65 buttons. How many buttons did Jen have to begin with?

Jen had _____ buttons to begin with.

4 Colby packs 31 boxes in one day. He packs 12 boxes in the morning and some boxes after lunch. How many boxes does Colby pack after lunch?

Colby packs _____ boxes after lunch.

5 Ayanna reads 26 pages of her book at school. Later she reads more pages at home. Now she has read 54 pages. How many pages does Ayanna read at home?

Ayanna reads _____ pages at home.

6 The camp has some tents. Campers set up 42 more tents. Now the camp has 60 tents. How many tents did the camp have to begin with?

The camp had _____ tents to begin with.

Different Ways to Show Addition

Name: _____

Find the sums and missing addends.

1. $30 + 7 + 50 + 3 =$ 90
2. $37 + 53 =$ _____
3. $20 + 8 + 40 + 2 =$ _____
4. $28 + 42 =$ _____
5. $60 + 6 + 10 + 4 =$ _____
6. $66 + 14 =$ _____
7. $40 + 5 + 40 + 5 =$ _____
8. $45 +$ _____ $= 90$
9. $30 + 9 + 20 + 1 =$ _____
10. _____ $+ 21 = 60$
11. $20 + 4 + 60 + 6 =$ _____
12. $24 +$ _____ $= 90$
13. $40 + 3 + 30 + 7 =$ _____
14. _____ $+ 37 = 80$

15. How does the information in problem 9 help you solve problem 10?

Subtracting by Adding Up

Name: _____

Subtract.

1 $50 - 29 = ?$

$29 + 20 = 49$

$49 + 1 = 50$

$20 + 1 = 21$

$50 - 29 = 21$

2 $71 - 45 = ?$

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ + _____ = _____

$71 - 45 =$ _____

3 $80 - 41 = ?$

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

$80 - 41 =$ _____

4 $63 - 28 = ?$

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ + _____ = _____

$63 - 28 =$ _____

5 $43 - 28 = ?$

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ + _____ = _____

$43 - 28 =$ _____

6 $95 - 65 = ?$

_____ + _____ = _____

$95 - 65 =$ _____

Subtracting by Adding Up *continued*

Name: _____

7 65 − 39 = ?

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ + _____ = _____

65 − 39 = _____

8 47 − 15 ?

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ + _____ = _____

47 − 15 = _____

9 75 − 28 = ?

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ + _____ = _____

75 − 28 = _____

10 54 − 12 = ?

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ = _____

_____ + _____ + _____ = _____

54 − 12 = _____

13 How did you decide what to add first? Then how did you get the answer?

Subtracting by Regrouping

Name: _____

Circle all the problems where you can regroup a ten to help subtract. Then solve the circled problems.

1 $\begin{array}{r} 32 \\ -\ 16 \\ \hline 16 \end{array}$	2 $\begin{array}{r} 48 \\ -\ 15 \\ \hline \end{array}$	3 $\begin{array}{r} 57 \\ -\ 25 \\ \hline \end{array}$	4 $\begin{array}{r} 63 \\ -\ 39 \\ \hline \end{array}$
5 $\begin{array}{r} 76 \\ -\ 26 \\ \hline \end{array}$	6 $\begin{array}{r} 82 \\ -\ 37 \\ \hline \end{array}$	7 $\begin{array}{r} 38 \\ -\ 28 \\ \hline \end{array}$	8 $\begin{array}{r} 53 \\ -\ 44 \\ \hline \end{array}$
9 $\begin{array}{r} 42 \\ -\ 25 \\ \hline \end{array}$	10 $\begin{array}{r} 96 \\ -\ 40 \\ \hline \end{array}$	11 $\begin{array}{r} 92 \\ -\ 56 \\ \hline \end{array}$	12 $\begin{array}{r} 65 \\ -\ 23 \\ \hline \end{array}$
13 $\begin{array}{r} 86 \\ -\ 19 \\ \hline \end{array}$	14 $\begin{array}{r} 59 \\ -\ 33 \\ \hline \end{array}$	15 $\begin{array}{r} 77 \\ -\ 48 \\ \hline \end{array}$	16 $\begin{array}{r} 62 \\ -\ 27 \\ \hline \end{array}$

17 How did you know which problems to circle?

18 Check one of your answers by solving it using a different strategy. Show your work.

Strategies to Find a Missing Addend

Name: _____

Solve.

1. 35 + 10 = 45
   35 + 20 = 55
   35 + 25 = 60

2. 24 + _____ = 34
   24 + _____ = 64
   24 + _____ = 68

3. 42 + _____ = 52
   42 + _____ = 82
   42 + _____ = 87

4. 51 + _____ = 61
   51 + _____ = 71
   51 + _____ = 76

5. 26 + _____ = 36
   26 + _____ = 66
   26 + _____ = 69

6. 58 + _____ = 60
   58 + _____ = 70
   58 + _____ = 71

7. 39 + _____ = 40
   39 + _____ = 70
   39 + _____ = 75

8. 27 + _____ = 30
   27 + _____ = 60
   27 + _____ = 65

9. 44 + _____ = 54
   44 + _____ = 64
   44 + _____ = 67

10. 69 + _____ = 70
    69 + _____ = 90
    69 + _____ = 93

Strategies to Find a Missing Addend *continued*

Name: _____

11 33 + _____ = 43
33 + _____ = 73
33 + _____ = 76

12 48 + _____ = 50
48 + _____ = 80
48 + _____ = 85

13 26 + _____ = 70
32 + _____ = 61
49 + _____ = 95

14 57 + _____ = 83
34 + _____ = 67
28 + _____ = 53

15 62 + _____ = 85
41 + _____ = 96
53 + _____ = 77

16 19 + _____ = 75
43 + _____ = 87
68 + _____ = 99

17 Explain how the strategy to solve problem 5 is different from the strategy used to solve problem 6.

18 Explain the strategy you used to solve the first part of problem 14.

Finding the Value of Three-Digit Numbers

Name: _____

The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1. 300 + 50 + 1 = _____

2. 2 hundreds + 6 tens + 7 ones = _____

3. 400 + 20 + 6 = _____

4. 400 + 60 + 2 = _____

5. 600 + 40 + 2 = _____

6. 5 hundreds + 1 ten + 3 ones = _____

7. 3 hundreds + 7 tens + 5 ones = _____

8. 500 + 20 + 6 = _____

9. 200 + 8 = _____

10. 2 hundreds + 8 tens + 0 ones = _____

11. 600 + 70 + 1 = _____

12. 6 hundreds + 0 tens + 7 ones = _____

13. 400 + 70 + 6 = _____

14. 2 hundreds + 3 tens + 3 ones = _____

15. 3 hundreds + 2 tens + 3 ones = _____

16. 3 hundreds + 3 tens + 2 ones = _____

Answers:

233	607	476	323	267	671
426	513	526	208	642	462
332	375	280	351		

Writing Three-Digit Numbers

Name: _____

Write the number using only digits.

1. one hundred sixty-four _____
2. six hundred fifty-two _____
3. three hundred twelve _____
4. two hundred sixty-one _____
5. two hundred five _____
6. five hundred nineteen _____

Write the number using only digits.

7. 100 + 10 + 6 _____
8. 500 + 4 _____
9. 300 + 40 + 5 _____
10. 300 + 50 + 4 _____
11. 400 + 60 _____
12. 500 + 40 _____

Writing Three-Digit Numbers *continued*

Name: _____

Write the number as a sum of hundreds, tens, and ones. Then write the number using words.

13 522 _____ + _____ + _____

_____

14 435 _____ + _____ + _____

_____

15 218 _____ + _____ + _____

_____

16 310 _____ + _____

_____

17 Explain how problem 8 is the same and different from problem 12.

Ways to Compare Three-Digit Numbers

Name: _____

Compare the numbers in each problem two different ways.

1. Compare 250 and 200.

   _____ < _____ and
   _____ > _____

2. Compare 170 and 180.

   _____ < _____ and
   _____ > _____

3. Compare 346 and 325.

   _____ < _____ and
   _____ > _____

4. Compare 235 and 261.

   _____ < _____ and
   _____ > _____

5. Compare 424 and 453.

   _____ < _____ and
   _____ > _____

6. Compare 833 and 824.

   _____ < _____ and
   _____ > _____

7. Compare 637 and 682.

   _____ < _____ and
   _____ > _____

8. Compare 362 and 326.

   _____ < _____ and
   _____ > _____

9. Compare 531 and 513.

   _____ < _____ and
   _____ > _____

10. Compare 714 and 741.

    _____ < _____ and
    _____ > _____

11. Compare 468 and 486.

    _____ < _____ and
    _____ > _____

12. Compare 967 and 959.

    _____ < _____ and
    _____ > _____

13. What strategies did you use to compare the numbers?

Name: _____ Date: _____

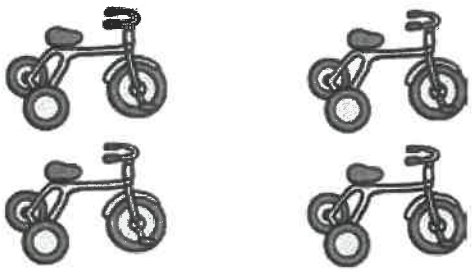
CHAPTER 5

Multiplication and Division

Lesson 1 How to Multiply

Look at the pictures.
Fill in the blanks.

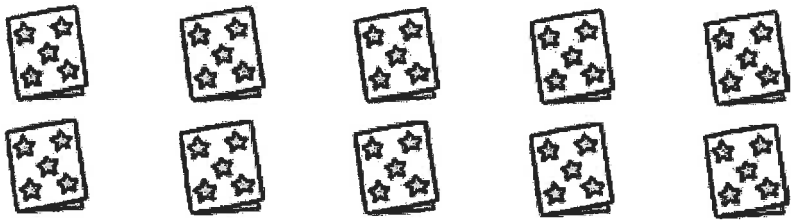
1. A tricycle has 3 wheels.
How many wheels do 4 tricycles have?



4 threes = _____ 4 × 3 = _____

4 tricycles have _____ wheels.

2. There are 5 stars on each card.
How many stars are there on 10 cards?



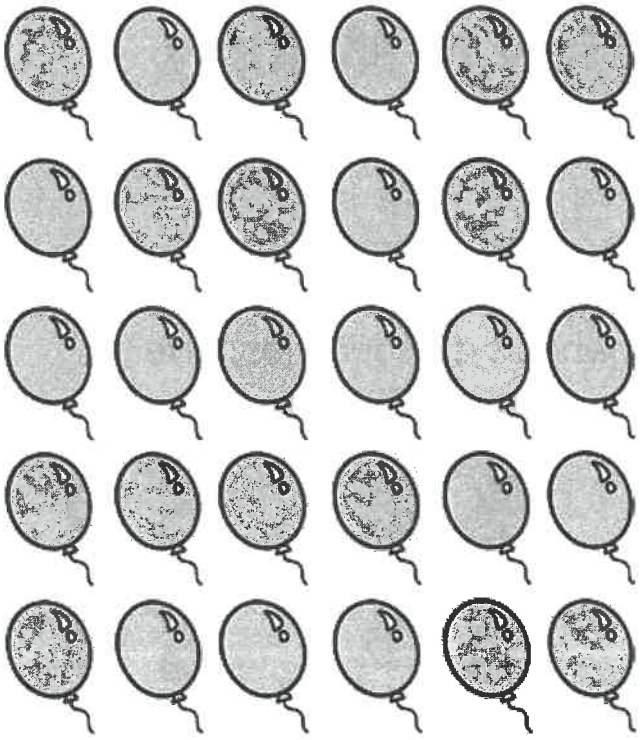
10 fives = _____ 10 × 5 = _____

There are _____ stars on 10 cards.

Name: _____ Date: _____

Count and add the number of balloons in each line.
Then multiply.

3.



6 + 6 + 6 + 6 + 6 = _____

_____ × 6 = _____

Name: _____ Date: _____

Look at the addition and multiplication sentences.
Fill in the blanks.

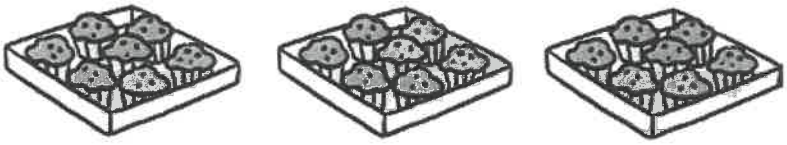
4. $8 + 8 + 8 + 8 = 32$
$4 \times 8 = 32$

Twyla has _____ groups of apples.

Each group has _____ apples.

There are _____ apples in all.

5. $7 + 7 + 7 = 21$
$3 \times 7 = 21$



Louis has _____ groups of muffins.

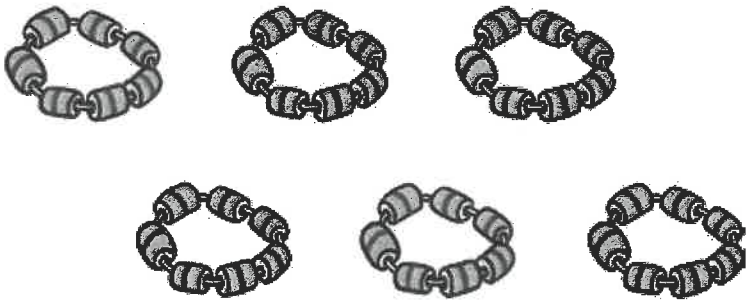
Each group has _____ muffins.

There are _____ muffins in all.

Name: _____ Date: _____

Write the multiplication sentences.
Fill in the blanks.

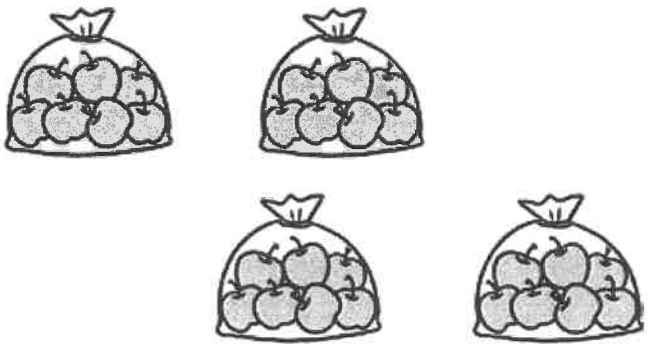
6. Vicky has 6 bracelets.
Each bracelet has 7 beads.



_____ × _____ = _____

There are _____ beads in all.

7. Alex bought 4 bags of apples.
Each bag has 7 apples.



_____ × _____ = _____

There are _____ apples in all.

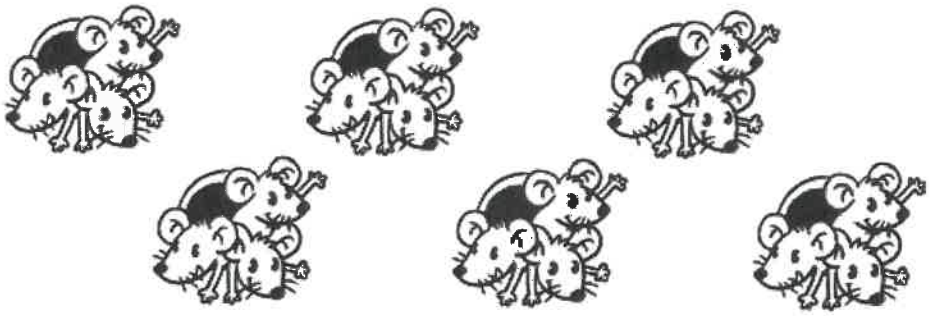
Name: _____ Date: _____

CHAPTER 5 Multiplication and Division

Practice 1 How to Multiply

Count, add, and write the number of animals in each group. Then multiply.

Example

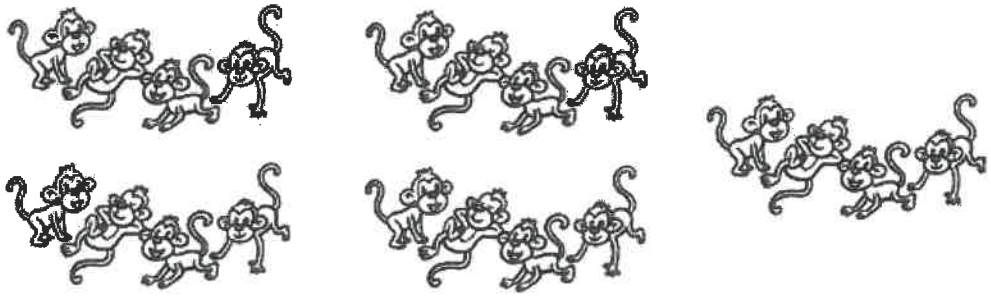


3 + 3 + 3 + 3 + 3 + 3 = 18

6 threes = 18

6 × 3 = 18

1.



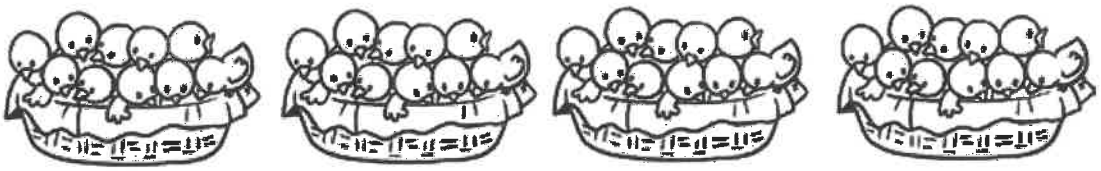
_____ + _____ + _____ + _____ + _____ = _____

_____ groups of _____ monkeys = _____

_____ × _____ = _____

Count, add, and write the number of animals in each group. Then multiply.

2.

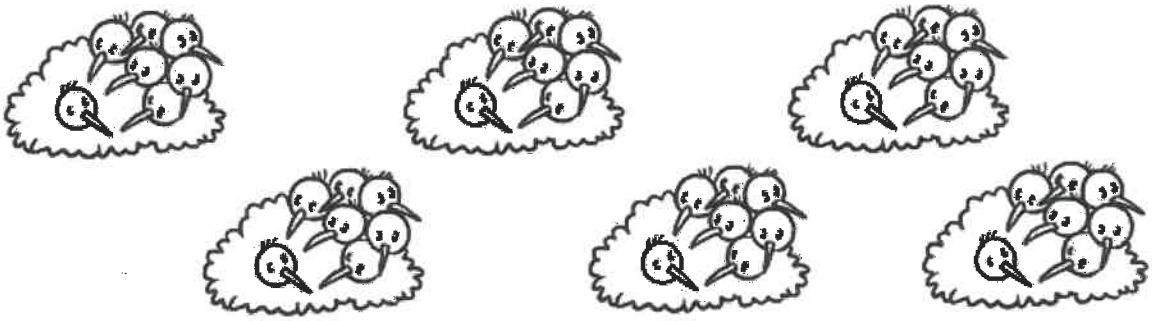


_____ + _____ + _____ + _____ = _____

_____ groups of _____ chicks = _____

_____ × _____ = _____

3.



_____ + _____ + _____ + _____ + _____ + _____ = _____

_____ groups of _____ birds = _____

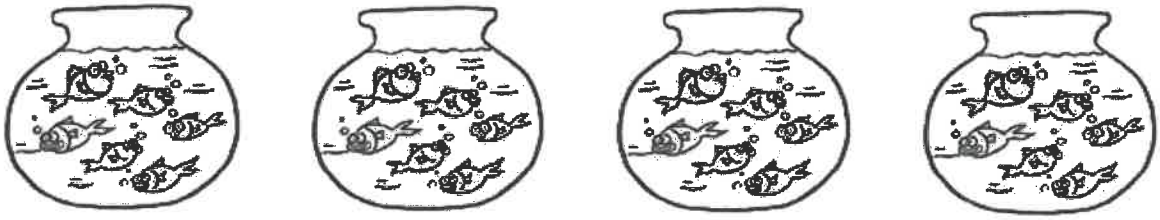
_____ × _____ = _____

Name: _____ Date: _____

Practice 2 How to Multiply

Look at the addition and multiplication sentences. Fill in the blanks.

Example



How many bowls are there? 4

How many fish are in each bowl? 6

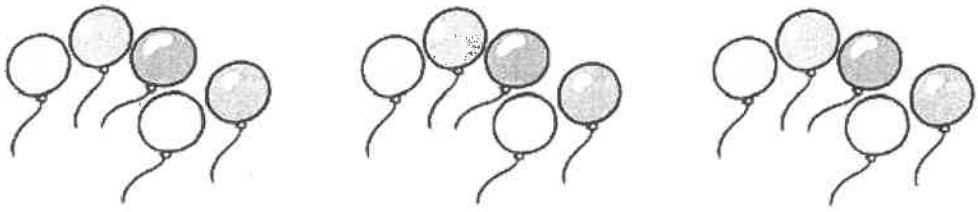
How many fish are there in all?

4 × 6 = 24

There are 24 fish in all.

1. 5 + 5 + 5 = 15

3 × 5 = 15



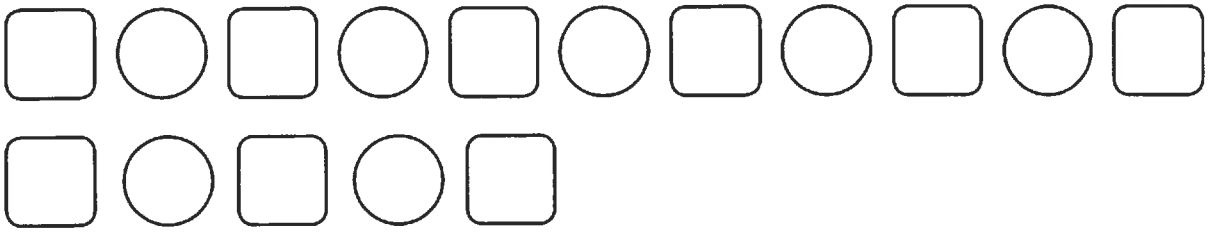
Patrick has _____ groups of balloons.

Each group has _____ balloons.

There are _____ balloons in all.

Write the addition and multiplication sentences.
Fill in the blanks.

2.



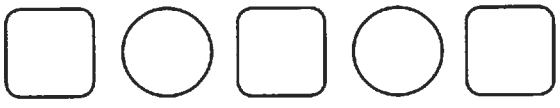
Marcus has _____ groups of ties.

Each group has _____ ties.

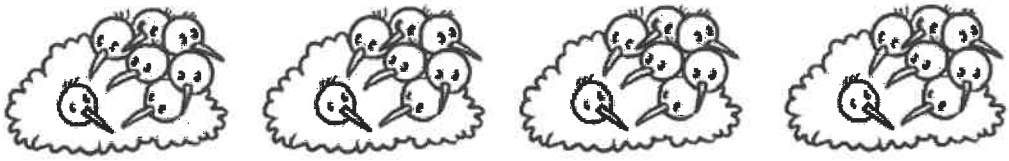
There are _____ ties in all.

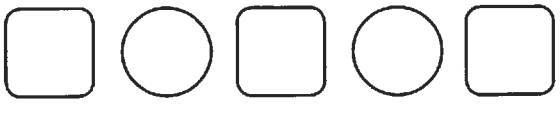
Tell multiplication stories.
Then write the multiplication sentences.

3.



4.





Name: _____ Date: _____

CHAPTER 5 Multiplication and Division

Worksheet 1 How to Multiply

Find the missing numbers.

1. 

A ladybug has _____ legs.

_____ + _____ + _____ = _____

3 _____ = _____

3 ladybugs have _____ legs.

2. 

4 threes = _____ + _____ + _____ + _____

= _____

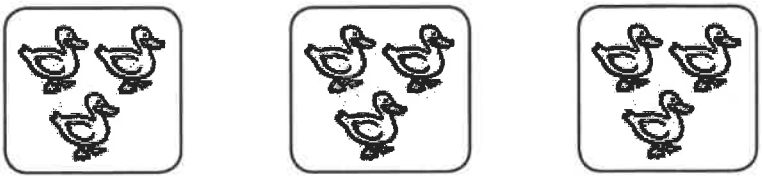
4 groups of _____ = _____

There are _____ strawberries in all.

Name: _____ Date: _____

Find the missing numbers.

Example



group

There are 3 groups.

There are 3 ducks in each group.

Use **repeated addition** to find the number of ducks.

3 + 3 + 3 = 9

Multiply to find the number of ducks.

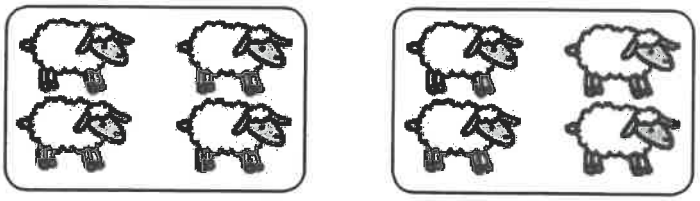
3 × 3 = 9 ← multiplication sentence

There are 9 ducks in all.

× is read as "times".
It means to multiply,
or to put all the equal groups together.

Name: _____ **Date:** _____

3.



There are 2 groups.

There are _____ sheep in each group.

Use repeated addition to find the number of sheep.

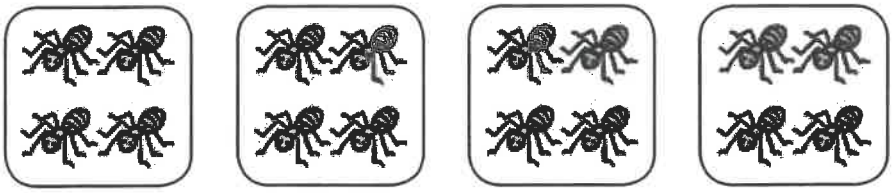
_____ + _____ = _____

Multiply to find the number of sheep.

2 × _____ = _____

There are _____ sheep in all.

Name: _____ Date: _____

4. 

There are _____ groups.

There are _____ ants in each group.

Use repeated addition to find the number of ants.

_____ + _____ + _____ + _____ = _____

Multiply to find the number of ants.

4 × _____ = _____

There are _____ ants in all.

Name: _____ Date: _____

Tell a multiplication story.

Example

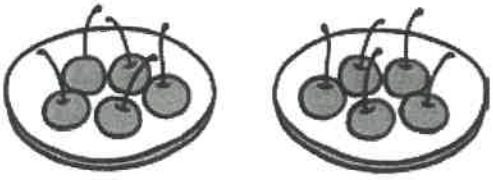
There are 3 bowls of eggs.

Each bowl has 4 eggs.

3 × 4 = 12

There are 12 eggs.

5.



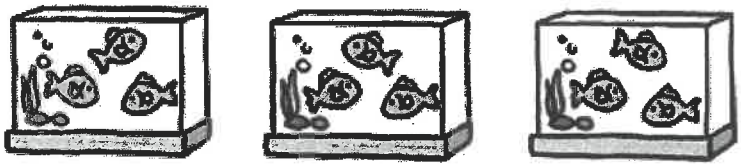
There are 2 plates of cherries.

Each plate has _____ cherries.

2 × _____ = _____

There are _____ cherries.

Name: _____ Date: _____

6. 

There are 3 tanks of fish.

Each tank has _____ fish.

3 × _____ = _____

There are _____ fish.

Greg Tang's 2nd Grade Spring Math Challenge

Name _____

Parent Signature _____

START

Play Ten Frame Mania for 10 minutes					
Play SatisFraction Identify (Easy) for 10 minutes				Play NumTanga Level 1, 2 & 3 for 10 minutes	Play Expresso + & - (3 Basic) for 10 minutes
Play Coin Bubble for 10 minutes	Read Math Appeal	Play How Much How Many for 10 minutes		Play Numskill Hard 3 Sets for 10 minutes	

FINISH

Play Kakooma (Play + or Compete 6) for 10 minutes

Play BreakApart Subtract Partial Difference (Easy) for 10 minutes

Instructions:

1. Go to: **gregtangmath.com**
2. Click the buttons at the top to go to Books and Games.
3. Mark off each square on the game board as you complete the activity.
4. Try to get to the finish line by
5. May 10th!

Notes:

- Have someone older, like Mom or Dad, help if you need it.
- If the games are too easy, move to a harder level!

Second Grade

Greg Tang's March MATHness™

gregtangmath.com/march

Elite 8

1. NumTanga

Math Limbo
2. (Play Mode)

Final 4

3.Ten Frame Mania

Kakooma +
4. (Play Mode)

Final 4

Winner

Championship

Elite 8

Numskill
5. (Hard 2-sets)

How Much
6. How Many

Final 4

Missing +
7. (Combo Hard)

BreakApart
8. (Addition)

Final 4

Instructions:

Elite 8: Play each game for 5 minutes. Pick your favorite game of each match and write it on the line for the Final 4.

Final 4: Play each game for 10 minutes. Pick your favorite game of each match and write it on the line for the Championship.

Championship: Play the final two games for 15 minutes each. Write your favorite game in the winner box!