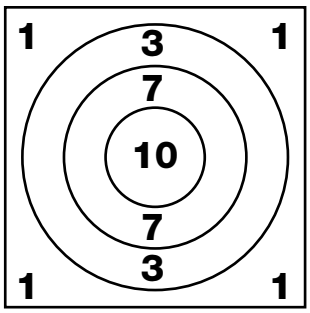
Name _____

1

a. With 3 darts, what is the highest total possible?

b. With 3 darts, what is the lowest total possible?

c. Jacob scored 24 points with 3 darts.
Was this possible or not?



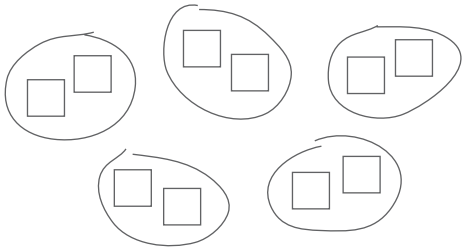
Name _____

Try This

Michelle has 5 bracelets. She puts 2 charms on each bracelet. How many charms does she have in all?

- Use Centimeter Cubes to model the problem.
- Draw your model.
- Write the number sentence to show the answer.

5 groups of 2 make 10.
5 × 2 = 10



1. 4 boxes. 5 markers in each box. How many markers in all?

_____ groups of _____ make _____.

_____ × _____ = _____

2. 6 ducks. Each duck has 2 feet. How many feet in all?

_____ groups of _____ make _____.

_____ × _____ = _____

3. 6 drinks in each pack. 3 packs of drinks. How many drinks in all?

_____ groups of _____ make _____.

_____ × _____ = _____

continued on the next page

Name _____

Multiply. Draw a model to explain your answer.

4. $6 \times 4 =$ _____

5. $4 \times 4 =$ _____

Write a problem you can solve using the given number sentence. Draw a picture. Write the answer to your problem.

6. $5 \times 7 =$ _____

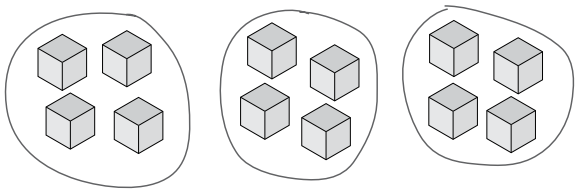
Name _____

Use Centimeter Cubes to build the model. Use the model to complete the problem.

1. Roberto has 3 model cars. Each car has 4 wheels. How many wheels are there in all?

3 groups of 4 make _____.

3 × 4 = _____



Using Centimeter Cubes, build a model for the problem. Draw your model. Use your model to complete the problem.

2. You have 3 pet spiders. Each spider has 8 legs. How many legs in all?

_____ groups of _____ make _____.

_____ × _____ = _____

3. You see 7 ducks. Each duck has 2 feet. How many feet in all?

_____ groups of _____ make _____.

_____ × _____ = _____

continued on the next page

Name _____

4. You have 4 packs of pencils. Each pack has 6 pencils. How many pencils in all?

_____ groups of _____ make _____.

_____ × _____ = _____

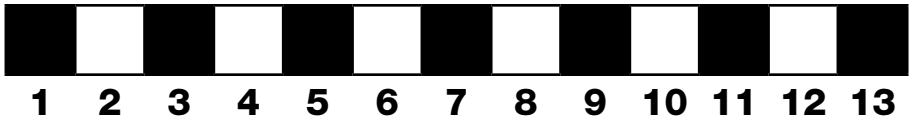
Multiply. Draw a model to explain your answer.

5. 3 × 3 = _____

6. 5 × 4 = _____

Name _____

2



a. If the black—white pattern continues, what color is box 15? 20? 25?

b. How many white boxes are there in boxes 1 to 20?

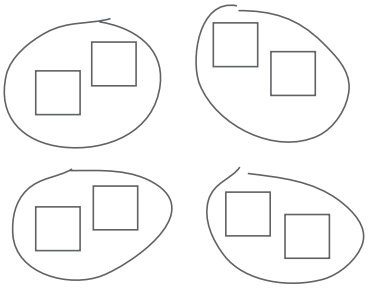
Name _____

Try This

4 dogs have some toys. Each dog has the same number of toys. There are 8 toys in all. How many toys does each dog have?

- Use Centimeter Cubes to build a model for the problem.
- Draw your model.
- Use the model to find the answer.

4 × _____ = 8



The 4 groups have 2 cubes each. So each dog has 2 toys.
4 × 2 = 8

1. 5 × _____ = 10

2. 6 × _____ = 18

3. _____ × 7 = 28

continued on the next page

Name _____

4. _____ × 5 = 20

Solve the problem. Write a number sentence that shows your answer.

5. Three friends took an art class together. They all painted the same number of pictures. They painted 24 pictures in all. How many pictures did each friend paint?

_____

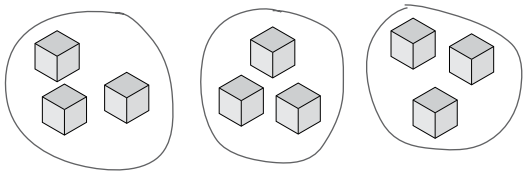
6. Omar scored 5 points in every one of his basketball games. He scored 45 points in all. How many games did he play?

_____

Name _____

Use Centimeter Cubes to build the model. Use the model to complete the problem.

1. Seth has some boxes of toy dinosaurs. Each box has 3 dinosaurs. There are 9 dinosaurs in all. How many boxes of dinosaurs does Seth have?



_____ groups of 3 make 9.

_____ × 3 = 9

Use Centimeter Cubes to model the problem. Draw your model. Use it to complete the problem.

2. You have 5 equal groups of oranges. There are 15 oranges in all. How many oranges are in each group?

5 groups of _____ make 15.

5 × _____ = 15

3. There are 6 tables in the study room. Every table has the same number of chairs. There are 30 chairs in all. How many chairs are at each table?

6 groups of _____ make 30.

6 × _____ = 30

continued on the next page

Name _____

4. There are 4 legs on each table in the reading lab. There are 16 legs in all. How many tables are in the reading lab?

_____ groups of 4 make 16.

_____ × 4 = 16

Find the unknown.

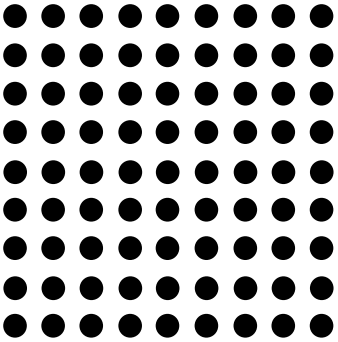
5. 4 × _____ = 36

6. _____ × 5 = 35

Name _____

3

How many dots are there?



Now go back and complete the activity a different way.

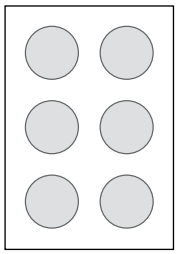
Name _____

Try This

A weekend is 2 days.
How many weekends make 6 days?

- Use Two-Color Counters to build an array for the problem.
- Draw your array.
- Use the array to find the answer.

_____ × 2 = 6



There are 3 rows of 2, so 3 weekends make 6 days.

3 × 2 = 6

1. 6 × _____ = 12

2. 5 × _____ = 20

3. _____ × 7 = 21

4. _____ × 4 = 16

Solve the problem.

5. Your teacher has 4 new boxes of erasers. If she has 28 erasers in all, how many erasers are in each box?

_____

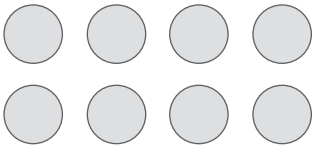
6. You ate 3 meals every day on your vacation. If you ate 24 meals in all, how many days was your vacation?

_____

Name _____

Use Two-Color Counters to build the model.
Use the model to complete the problem.

1.

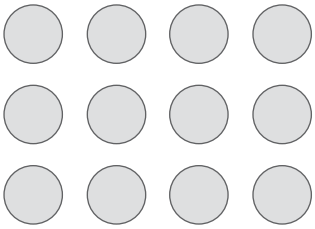


2 rows of _____

2 groups of _____

2 × _____ = _____

2.



_____ rows of 4

_____ groups of 4

_____ × 4 = 12

Use Two-Color Counters to model the problem.
Draw your model. Complete the number sentence.

3. 3 × _____ = 18

4. _____ × 3 = 9

Solve the problem.

5. Two packs of gum have 10 pieces. How many pieces are in each pack?

_____

6. Each math team has 4 students. There are 24 students at the meet. How many teams are at the meet?

_____

Name _____

4

Here is the start of a pattern.

The pattern continues: black–gray–white.

a. Continue the pattern for ten more boxes.

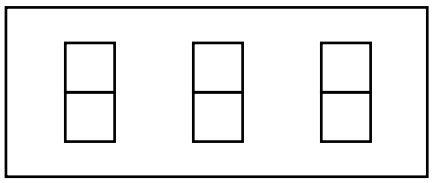
b. What color is box 27? box 41? box 100?

Name _____

Try This

- Use tiles to model the situation.
- Draw your solution.
- Write your answer.
- Write a number sentence to describe the situation.
- Tell a story that can be shown with your model.

6 tiles in all
3 groups of tiles
How many in each group? 2 tiles
$6 \div 3 = 2$



1. 5 equal groups
4 tiles in each group
How many in all? _____

_____

2. 10 tiles in all
2 equal groups
How many in each group? _____

_____

3. 15 tiles in all
3 tiles in each group
How many groups? _____

_____

4. 12 tiles in all
6 tiles in each group
How many groups? _____

_____

Solve the problem.

5. Complete the number sentences. Use the same 3 numbers in every sentence. Two of the numbers will be equal to each other.

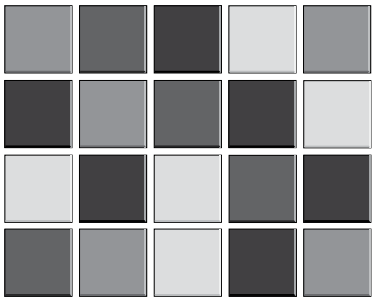
_____ + _____ = _____ _____ × _____ = _____

_____ – _____ = _____ _____ ÷ _____ = _____

Name _____

Use Color Tiles to build the model. Divide the tiles into equal groups. Write a division sentence that answers the question.

1.

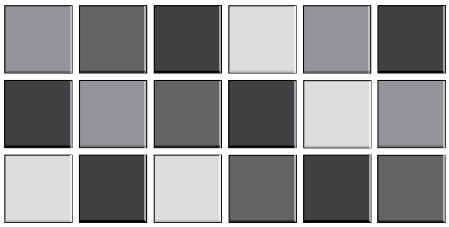


Divide into 4 groups.

How many in each group?_____

Division sentence: 20 ÷ 4 = _____

2.



Divide into groups of 6.

How many groups? _____

Division sentence:

_____ ÷ _____ = _____

Use Color Tiles to model the situation. Sketch the model. Write a division sentence that answers the question.

3. There are 16 tiles in all. There are 4 tiles in each group.

How many groups? _____

Division sentence: _____ ÷ _____ = _____

Write a division sentence that answers the question

4. 24 tiles, 8 equal groups

How many in each group? _____

Division sentence:

_____

5. 35 tiles, 7 equal groups

How many in each group? _____

Division sentence:

_____

6. 27 tiles, 3 in each group

How many groups? _____

Division sentence:

_____

7. 42 tiles, 7 in each group

How many groups? _____

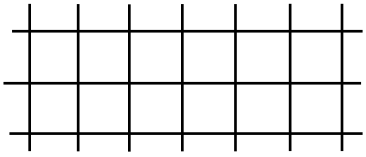
Division sentence:

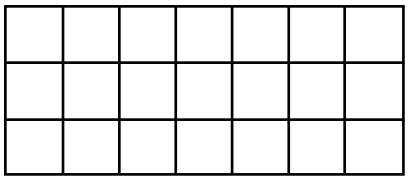
_____

Name _____

5

Which picture shows 3 x 7?

a. 

b. 

How are the pictures different? How are they the same?

Name _____

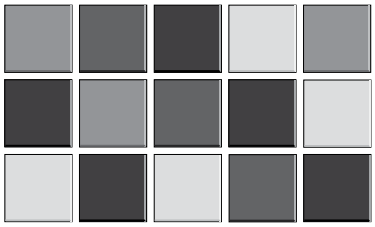
Try This

Peter read 15 pages for science. How many days did he read if he read 5 pages each day?

- Use Color Tiles to build an array for the problem.
- Draw your array.
- Use the array to find the answer and complete the equations.

15 ÷ ? = 5

? × 5 = 15



3 rows represent 3 days.
Peter read 3 days.

1. 12 ÷ _____ = 4
_____ × 4 = 12

2. _____ ÷ 2 = 4
2 × 4 = _____

3. 16 ÷ _____ = 4
_____ × 4 = 16

4. 18 ÷ 6 = _____
6 × _____ = 18

continued on the next page

Name _____

Solve the problem.

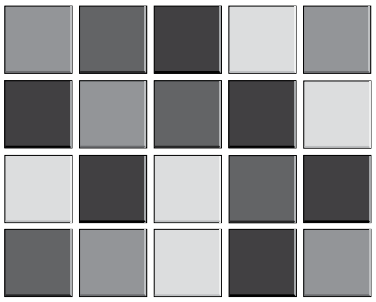
5. Aaron bought some bags of apples. He has 21 apples in all. If each bag holds 7 apples, how many bags did he buy? _____

6. The gym teacher arranged 30 students into groups. There are 5 students in each group. How many groups are there? _____

Name _____

Use Color Tiles to build the array. Use the array to complete the problem.

1. 20 tiles

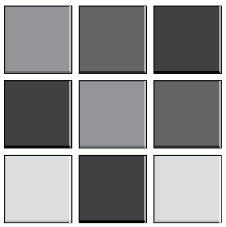


_____ rows of _____

20 ÷ _____ = 5

_____ × 5 = 20

2. 9 tiles



3 rows of _____

9 ÷ 3 = _____

3 × _____ = 9

Use Color Tiles to build an array for the problem. Draw your array. Complete the number sentences.

3. 12 ÷ _____ = 6

_____ × 6 = 12

4. _____ ÷ 2 = 5

2 × 5 = _____

Solve the problem.

5. The teacher had some packs of pencils on her desk. There were 28 pencils in all. If each pack had 7 pencils, how many packs were there? _____

6. Wanda counted 15 baby birds in nests. If each nest holds 3 baby birds, how many nests did Wanda find? _____

Name _____

6

A farmer raises cows (4 legs) and chickens (2 legs). He counts 22 legs altogether. What are the possible numbers of cows and chickens?

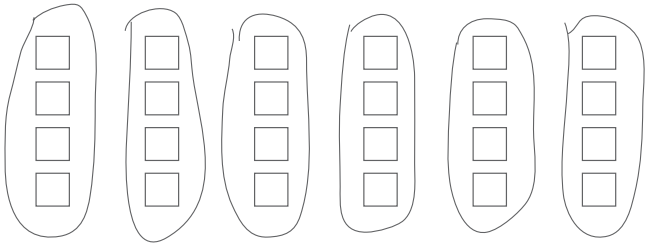
cows								
chickens								

Name _____

Try This

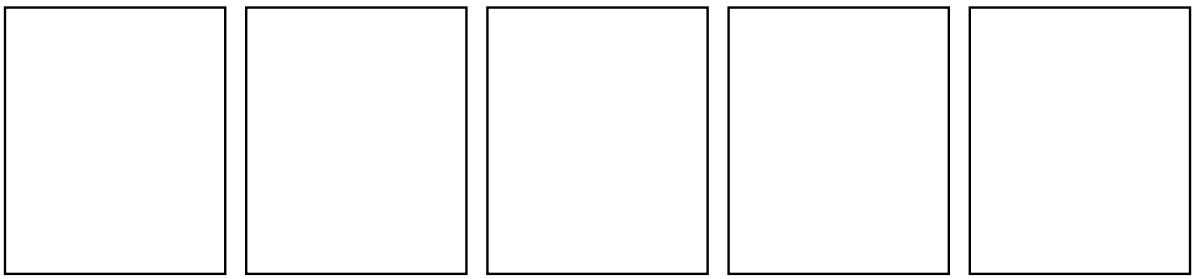
Nina has 24 stickers. She will give an equal number to each of her 6 best friends. How many stickers will each friend get?

- Pick manipulatives and build a model.
- Draw your model.
- Give the answer, and write a number sentence for the problem.
- Think: 24 in all; divide into 6 groups.



Each friend gets 4 stickers; 24 ÷ 6 = 4.

1. There are 5 people on Ashton's team. Each person has 6 crayons. How many crayons in all?



There are _____ crayons in all.

Number sentence: _____

2. Jake ran 21 miles in one week. He ran the same amount each day. How many miles did he run each day?

Jake ran _____ miles each day.

Number sentence: _____

continued on the next page

 Name _____

3. It takes 5 inches of ribbon to make a bow. Alice wants to make 4 bows. How many inches of ribbon does she need?

Alice needs _____ inches of ribbon.

Number sentence: _____

4. The school band is setting up for a concert. They need 5 rows with 9 chairs in each row. How many chairs do they need?

The band needs _____ chairs.

Number sentence: _____

Model and write the word problem.

5. Using Centimeter Cubes, model a word problem in which you divide 40 into equal groups. Write your problem.

_____

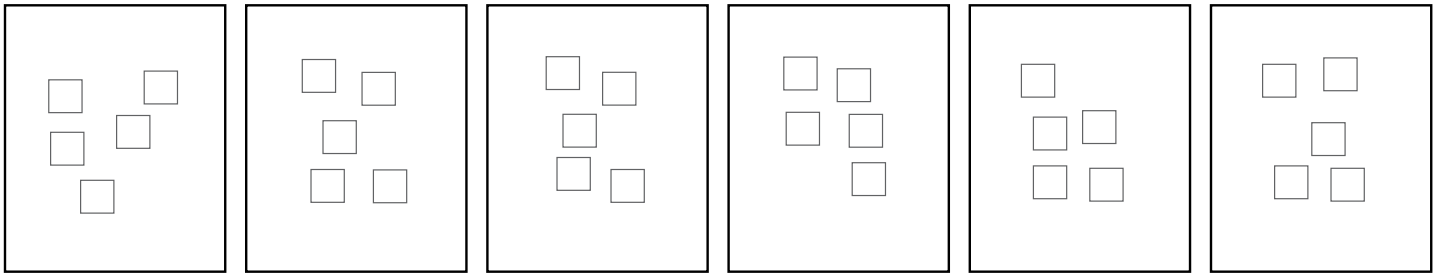
_____

_____

 Name _____

Use Centimeter Cubes to build the model.
Use the model to complete the problem.

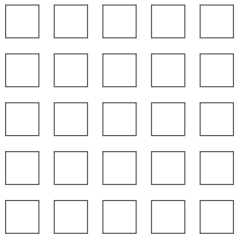
1. Five new computers will be added to each third grade classroom. There are 6 third grade classrooms. How many computers will be added in all?



_____ computers will be added.

Number sentence: 6 × 5 = _____

2. Mrs. Little has 25 chairs. She wants 5 rows. How many chairs in each row?



_____ chairs in each row.

Number sentence: 25 ÷ 5 = _____

Build a model for the problem. Draw your model.
Use the model to complete the problem.

3. There are 4 juice pouches in a box. There are 4 boxes in a case. How many juice pouches are in the case?

_____ juice pouches in the case.

Number sentence: _____

continued on the next page

 Name _____

4. Lisa has 18 feet of wood. Each sign is 2 feet long. How many signs can she make?

Lisa can make _____ signs.

Number sentence: _____

Solve the problem. Write a number sentence to show the answer.

5. Randy read for 100 minutes.

He read for 10 minutes each day.

How many days did it take him to read 100 minutes?

_____

6. Alan has 5 bags of seashells.

Each bag has 7 seashells in it.

How many seashells does he have in all?

_____