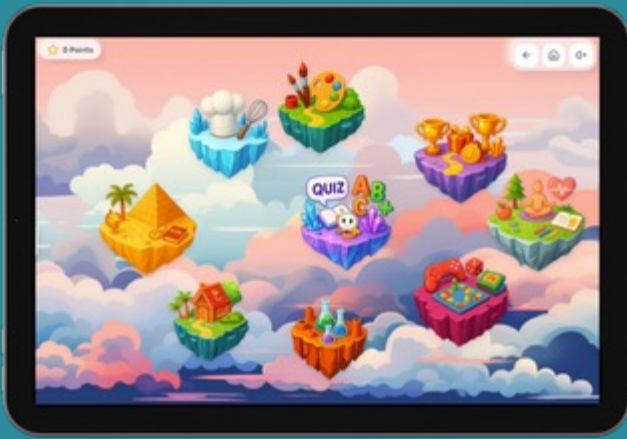


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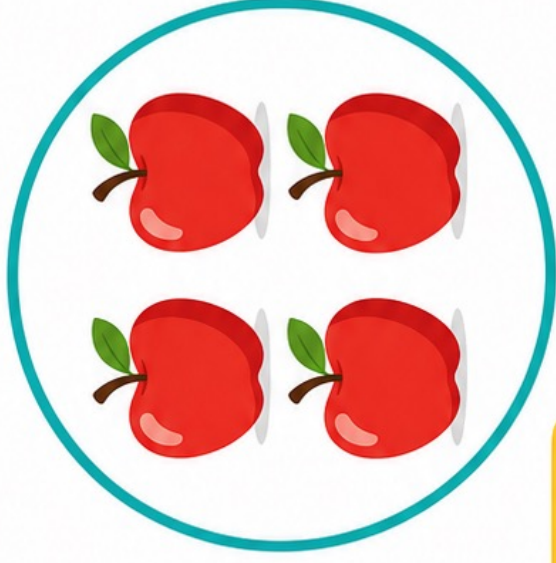
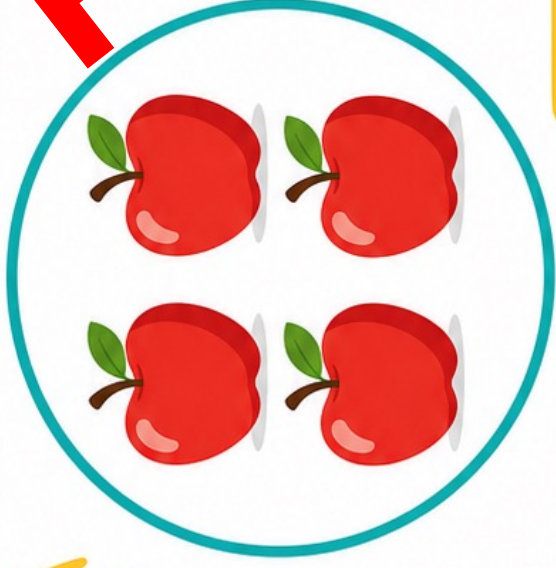


## Multiplication as Repeated Addition - Year 2

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| Assessment: Multiplication as Repeated Addition Assessment |  |
| Rubric: Multiplication as Repeated Addition Rubric         |  |



# Equal Groups → Repeated Addition



3 groups of 4

Equal groups  
have the same  
number in  
every group.

$$4 + 4 + 4 = 12$$

$$3 \times 4 = 12$$

# ★ See It, Say It, Add It ★

1

SEE IT



2

SAY IT

4 groups of 3

3

ADD IT

$$3 + 3 + 3 + 3 = 12$$

4

MULTIPLY IT

$$4 \times 3 = 12$$



Number of groups  $\times$  number in each group = total

# Equal Groups Sorting Station



Place each card where it belongs. Explain how you know.

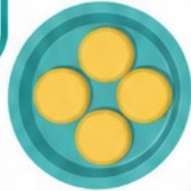
## EQUAL GROUPS

Same number in every group

## NOT EQUAL GROUPS

Different numbers in the groups

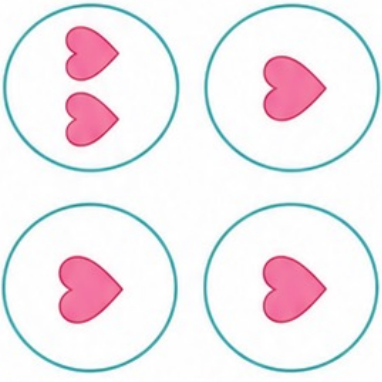
I know because ...



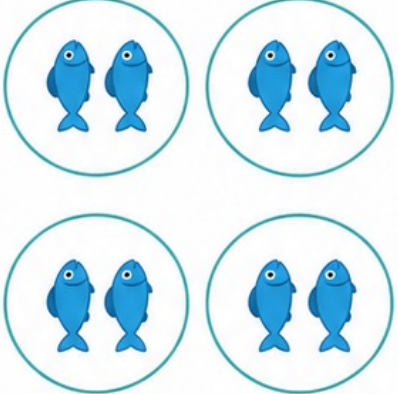
4



8



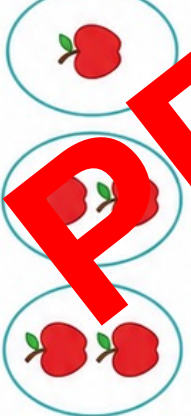
3



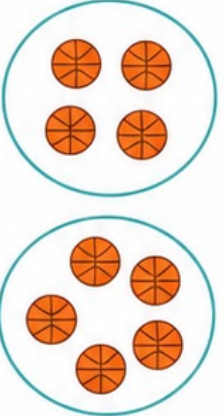
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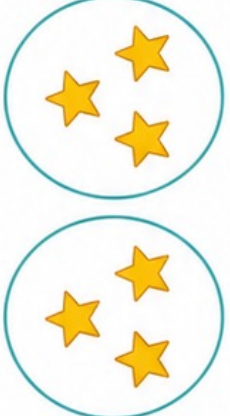
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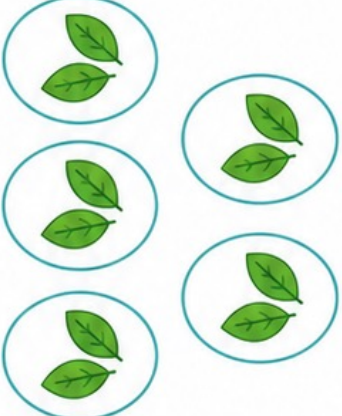
6



1



5



PREVIEW

# Representation Match — Set A



1

2

$3 + 3 = 6$

3

4

$4 + 4 + 4 = 12$

5

6

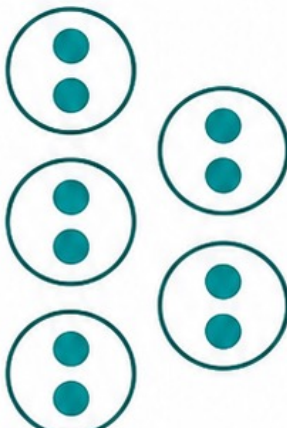
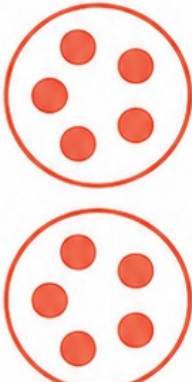
$2 + 2 + 2 + 2 = 8$

7

8

$5 + 5 + 5 = 15$

# Representation Match — Set B

|                                                                                                  |                               |                                                                                                 |                               |
|--------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------|
| <b>1</b><br>  | <b>2</b><br>$5 \times 2 = 10$ | <b>3</b><br>  | <b>4</b><br>$2 \times 5 = 10$ |
| <b>5</b><br> | <b>6</b><br>$3 \times 3 = 9$  | <b>7</b><br> | <b>8</b><br>$4 \times 4 = 16$ |

# Repeated Addition Race



Roll. Move. Solve.

If you land on a sum,  
say the number of equal  
groups and the total.



**START**

1

2

$2 + 2$

3

4

$5 + 5$

6

7

$3 + 3 + 3$

8

$1 + 4$

10

12

$2 + 2 + 2 + 2$

13

14

9

$10 + 10$

17

16

19

$5 + 5 + 5$

20

21

$4 + 4 + 4$

22

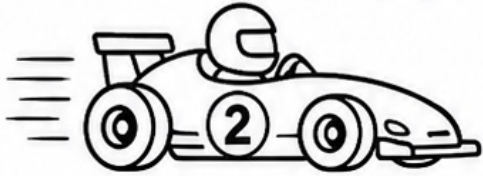
23

**FINISH**

Name: \_\_\_\_\_

# Repeated Addition Race

Record four turns from the game.



| Turn | Repeated addition | Groups of | Total |
|------|-------------------|-----------|-------|
| 1    |                   |           |       |
| 2    |                   |           |       |
| 3    |                   |           |       |
| 4    |                   |           |       |

What helped you solve?

- ☐ Skip counting
- ☐ Equal groups picture
- ☐ Adding the same number

Name: \_\_\_\_\_



# Equal or Unequal Groups



Tick Equal or Not equal. If the groups are equal, complete the sentence.

1.

☐

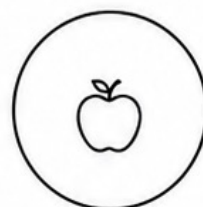
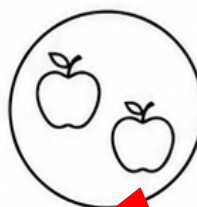
Equal

☐

Not equal

\_\_\_\_\_ groups of \_\_\_\_\_

2.

☐

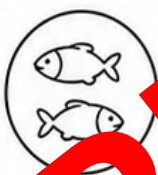
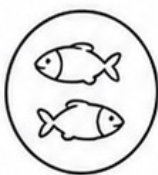
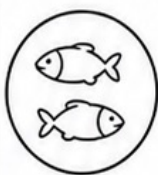
Equal

☐

Not equal

\_\_\_\_\_ groups of \_\_\_\_\_

3.

☐

Equal

☐

Not equal

\_\_\_\_\_ groups of \_\_\_\_\_

4.

☐

Equal

☐

Not equal

\_\_\_\_\_ groups of \_\_\_\_\_

5.

☐

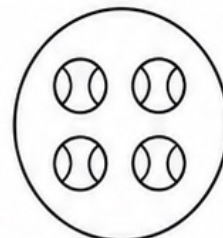
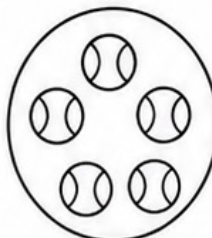
Equal

☐

Not equal

\_\_\_\_\_ groups of \_\_\_\_\_

6.

☐

Equal

☐

Not equal

\_\_\_\_\_ groups of \_\_\_\_\_

## ANSWERS



# Equal or Unequal Groups



Tick Equal or Not equal. If the groups are equal, complete the sentence.

1.



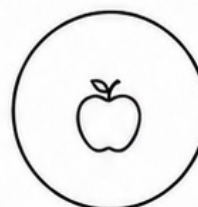
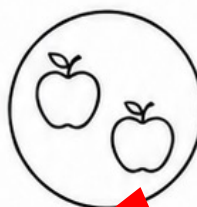
Equal



Not equal

2 groups of 3

2.



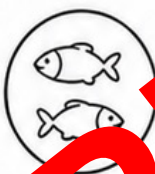
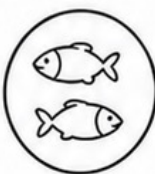
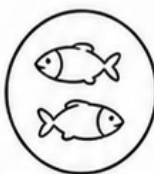
Equal



Not equal

not equal

3.



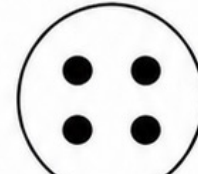
Equal



Not equal

4 groups of 2

4.



Equal



Not equal

not equal

5.



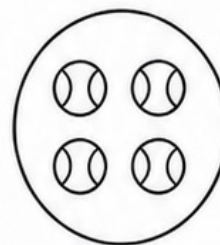
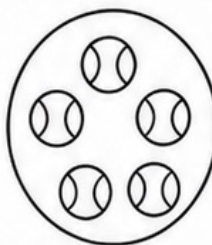
Equal



Not equal

5 groups of 2

6.



Equal



Not equal

not equal

Name: \_\_\_\_\_



# Picture the Repeated Addition

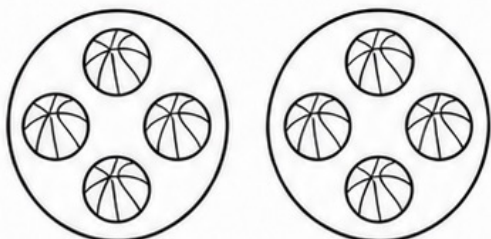
Look at each picture. Write the groups sentence and the repeated-addition sentence.

1.



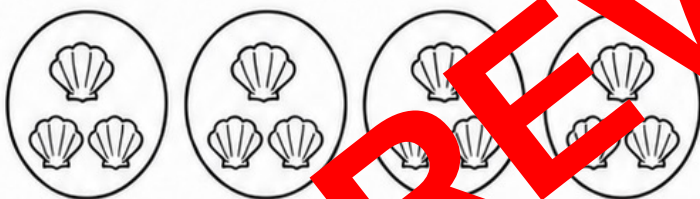
\_\_\_\_\_ groups of \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

2.



\_\_\_\_\_ group of \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

3.



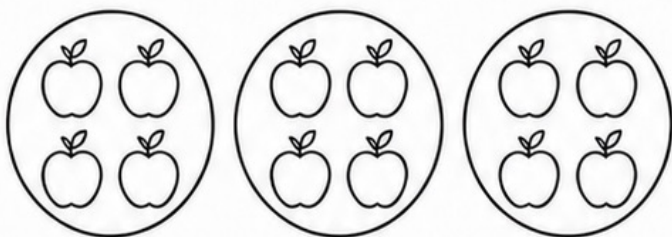
\_\_\_\_\_ groups of \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

4.



\_\_\_\_\_ groups of \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

5.



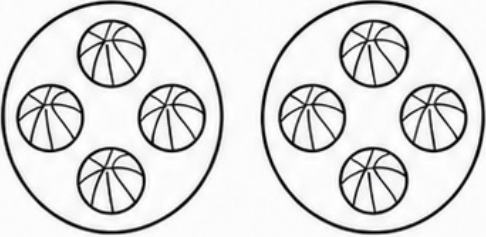
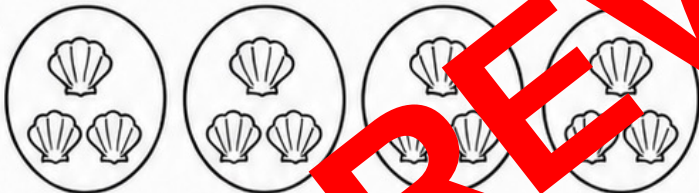
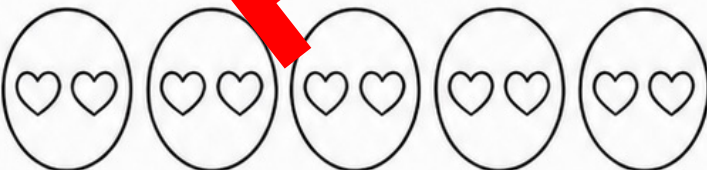
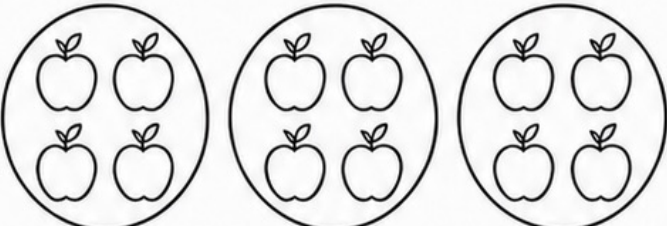
\_\_\_\_\_ groups of \_\_\_\_\_  
\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_





# Picture the Repeated Addition

Look at each picture. Write the groups sentence and the repeated-addition sentence.

1.   $\underline{3}$  groups of  $\underline{2}$   
 $\underline{2} + \underline{2} + \underline{2} = \underline{6}$
2.   $\underline{2}$  groups of  $\underline{4}$   
 $\underline{4} + \underline{4} = \underline{8}$
3.   $\underline{4}$  groups of  $\underline{3}$   
 $\underline{3} + \underline{3} + \underline{3} + \underline{3} = \underline{12}$
4.   $\underline{5}$  groups of  $\underline{2}$   
 $\underline{2} + \underline{2} + \underline{2} + \underline{2} + \underline{2} = \underline{10}$
5.   $\underline{3}$  groups of  $\underline{4}$   
 $\underline{4} + \underline{4} + \underline{4} = \underline{12}$

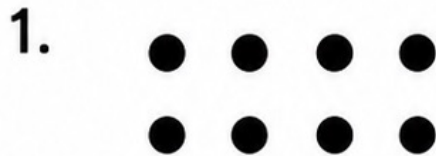


Name: \_\_\_\_\_



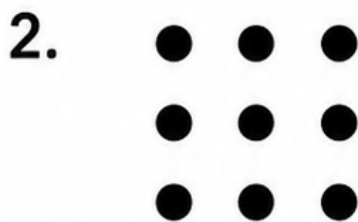
# Arrays to Addition

Read each array by rows. Write the repeated addition and multiplication sentence.



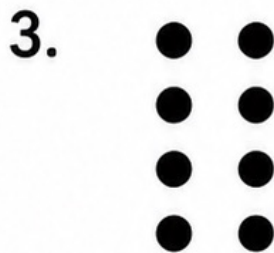
Repeated addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



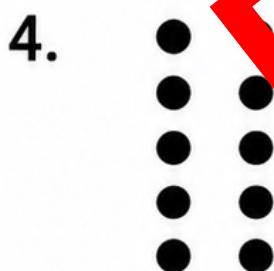
Repeated addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



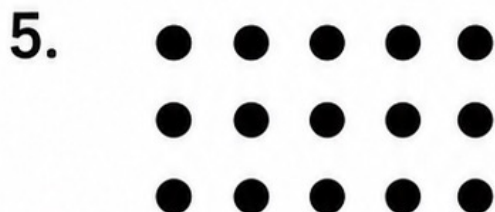
Repeated addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



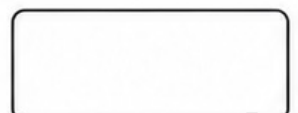
Repeated addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_



Repeated addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_

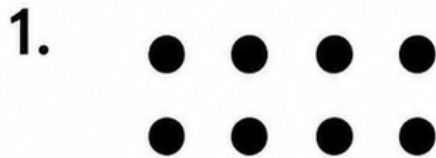


# ANSWERS \_\_\_\_\_



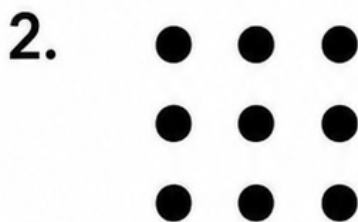
## Arrays to Addition

Read each array by rows. Write the repeated addition and multiplication sentence.



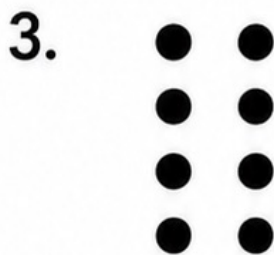
Repeated addition:  $4 + 4 = 8$

Multiplication:  $2 \times 4 = 8$



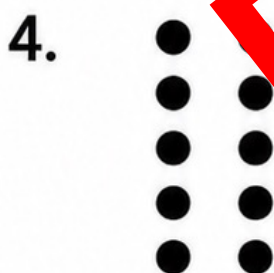
Repeated addition:  $3 + 3 + 3 = 9$

Multiplication:  $3 \times 3 = 9$



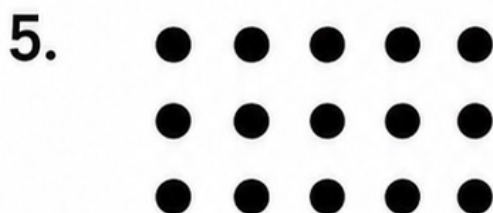
Repeated addition:  $2 + 2 + 2 + 2 = 8$

Multiplication:  $4 \times 2 = 8$



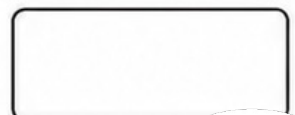
Repeated addition:  $2 + 2 + 2 + 2 + 2 = 10$

Multiplication:  $5 \times 2 = 10$



Repeated addition:  $5 + 5 + 5 = 15$

Multiplication:  $3 \times 5 = 15$



Name: \_\_\_\_\_

# Skip Count, Then Add



Complete each skip-counting pattern. Then write the matching repeated addition.

①

Count by 2s

2, 4, \_\_\_\_\_, 8, \_\_\_\_\_

Repeated addition:  $2 + 2 + 2 + 2 + 2 = \underline{\hspace{2cm}}$

②

Count by 5s

5, \_\_\_\_\_, 15, \_\_\_\_\_

Repeated addition:  $5 + 5 + 5 + 5 = \underline{\hspace{2cm}}$

③

Count by 10s

10, \_\_\_\_\_, 30, \_\_\_\_\_

Repeated addition:  $10 + 10 + 10 + 10 = \underline{\hspace{2cm}}$

④

Count by 3s

3, 6, \_\_\_\_\_, 12

Repeated addition:  $3 + 3 + 3 + 3 = \underline{\hspace{2cm}}$

⑤

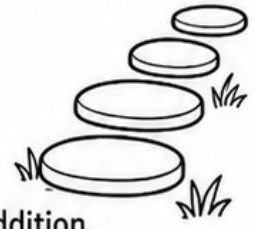
Choose your own

Count by \_\_\_\_\_: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Repeated addition: \_\_\_\_\_

## ANSWERS

# Skip Count, Then Add



Complete each skip-counting pattern. Then write the matching repeated addition.

①

Count by 2s

2, 4, 6, 8, 10

Repeated addition:  $2 + 2 + 2 + 2 + 2 =$  10

②

Count by 5s

5, 10, 15, 20

Repeated addition:  $5 + 5 + 5 + 5 =$  20

③

Count by 10s

10, 20, 30, 40

Repeated addition:  $10 + 10 + 10 + 10 =$  40

④

Count by 3s

3, 6, 9, 12

Repeated addition:  $3 + 3 + 3 + 3 =$  12

⑤

Choose your own

Count by \_\_\_\_: \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_

Repeated addition: Answers will vary.

Name: \_\_\_\_\_

# Repeated Addition Word Problems

Draw equal groups, write repeated addition, and solve.



1. Mia puts 4 strawberries on each of 3 plates. How many strawberries altogether?

Draw:

Repeated addition: \_\_\_\_\_

Answer: \_\_\_\_\_

2. Noah has 5 bags with 2 marbles in each bag. How many marbles altogether?

Draw:

Repeated addition: \_\_\_\_\_

Answer: \_\_\_\_\_

3. There are 2 shelves with 5 books on each shelf. How many books altogether?

Draw:

Repeated addition: \_\_\_\_\_

Answer: \_\_\_\_\_

4. Four nests have 3 eggs in each nest. How many eggs altogether?

Draw:

Repeated addition: \_\_\_\_\_

Answer: \_\_\_\_\_

5. Create your own equal-groups story.

My story: \_\_\_\_\_

Repeated addition: \_\_\_\_\_

Answer: \_\_\_\_\_



## ANSWERS \_\_\_\_\_

# Repeated Addition Word Problems

Draw equal groups, write repeated addition, and solve.



1. Mia puts 4 strawberries on each of 3 plates. How many strawberries altogether?

Draw:



Repeated addition:  $4 + 4 + 4 = 12$

Answer: 12 strawberries

2. Noah has 5 bags with 2 marbles in each bag. How many marbles altogether?

Draw:



Repeated addition:  $2 + 2 + 2 + 2 + 2 = 10$

Answer: 10 marbles

3. There are 2 shelves with 5 books on each shelf. How many books altogether?

Draw:



Repeated addition:  $5 + 5 = 10$

Answer: 10 books

4. Four nests have 3 eggs in each nest. How many eggs altogether?

Draw:



Repeated addition:  $3 + 3 + 3 + 3 = 12$

Answer: 12 eggs

5. Create your own equal-groups story.

My story: 3 bags with 2 counters in each.

Repeated addition:  $2 + 2 + 2 = 6$

Answer: 6 counters

Name: \_\_\_\_\_

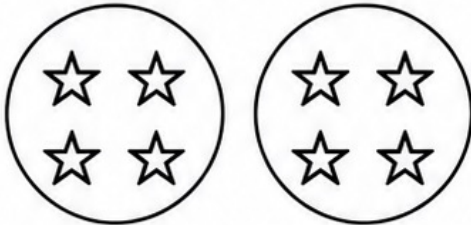
Date: \_\_\_\_\_

# Multiplication as Repeated Addition Assessment

Page 1 of 2

1. Write the repeated addition and total.

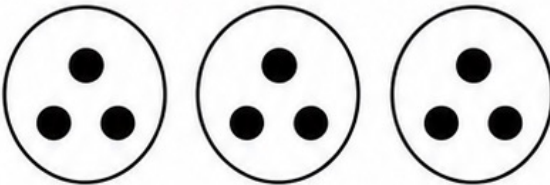
(2 marks)



\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

2. Complete the groups sentence and multiplication.

(2 marks)



\_\_\_\_\_ groups of \_\_\_\_\_

\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

3. Read the array by rows.

(2 marks)



Repeated addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

4. Complete the pattern and write the matching addition.

(2 marks)

5, 10, \_\_\_\_\_, 20

Addition: \_\_\_\_\_

5. Circle the expression that shows 3 groups of 4.

(2 marks)

- A.  $3 + 3 + 3 + 3$
- B.  $4 + 4 + 4$
- C.  $3 + 4$
- D.  $4 + 3 + 4$

Page total: \_\_\_\_ / 10

Name: **ANSWERS**

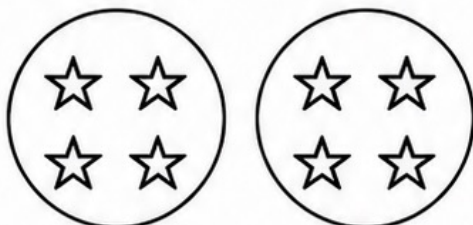
Date: \_\_\_\_\_

# Multiplication as Repeated Addition Assessment

Page 1 of 2

1. Write the repeated addition and total.

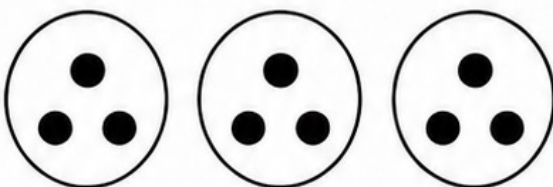
(2 marks)



$$\underline{4} + \underline{4} = \underline{8}$$

2. Complete the groups sentence and multiplication.

(2 marks)



3 groups of 3  
3  $\times$  3 = 9

3. Read the array by rows.

(2 marks)



Repeated addition:  $2 + 2 + 2 + 2 = 8$

Multiplication:  $4 \times 2 = 8$

4. Complete the pattern and write the matching addition.

(2 marks)

5, 10, 15, 20

Addition:  $5 + 5 + 5 + 5 = 20$

5. Circle the expression that shows 3 groups of 4.

(2 marks)

A.  $3 + 3 + 3 + 3$

☒ B.  $4 + 4 + 4$

C.  $3 + 4$

D.  $4 + 3 + 4$

Page total: 10 / 10

Name: \_\_\_\_\_



## Multiplication as Repeated Addition Assessment

Page 2 of 2

6. Four plates have 3 cupcakes on each plate. How many cupcakes altogether? (3 marks)

Draw

Repeated addition: \_\_\_\_\_

Answer: \_\_\_\_\_

7. Can  $2 + 3 + 2$  represent equal groups? Tick Yes or No and explain. (2 marks)

☐

Yes

☐

No

\_\_\_\_\_  
\_\_\_\_\_

8. Complete the representation for  $4 + 5 + 5 =$  (2 marks)

\_\_\_\_\_ groups of \_\_\_\_\_

\_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

9. Solve 4 groups of 3. Show a strategy. (1 mark)

\_\_\_\_\_

Answer: \_\_\_\_\_

10. Create your own equal-groups story. (2 marks)

Story: \_\_\_\_\_

Repeated addition: \_\_\_\_\_

Answer: \_\_\_\_\_

Page total: \_\_\_\_ / 10

Assessment total: \_\_\_\_ / 20

\_\_\_\_\_

# ANSWERS



## Multiplication as Repeated Addition Assessment

Page 2 of 2

6. Four plates have 3 cupcakes on each plate. How many cupcakes altogether? (3 marks)

Draw



Repeated addition:  $3 + 3 + 3 + 3 = 12$

Answer: 12 cupcakes

7. Can  $2 + 3 + 2$  represent equal groups? Tick Yes or No and explain. (2 marks)

☐

Yes

☒

No

The addends are not all the same, so the groups are not equal.

8. Complete the representation for  $5 + 5 + 5 = 15$ . (2 marks)

3 groups of 5

3  $\times$  5 = 15

9. Solve 4 groups of 5. Show a strategy. (1 mark)

$$5 + 5 + 5 + 5 = 20$$

Answer: 20

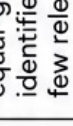
10. Create your own equal-groups story. (2 marks)

Story: 2 boxes with 4 crayons in each.

Repeated addition:  $4 + 4 = 8$

Answer: 8 crayons

# Multiplication as Repeated Addition Rubric

| Criteria                                                                                                                                                                                                                                                                                             | BEGINNING                                                                                              | DEVELOPING                                                                                                            | ACHIEVING                                                                                                             | CONFIDENT                                                                                               | EXCEEDING                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1. Recognises equal groups<br>                                                                                                                                                                                    | Needs substantial support to recognise equal groups; identifies or records few relevant features.      | With prompts, shows partial understanding of equal groups; some counts or groupings may be incomplete.                | Accurately identifies equal groups and counts the number in each group and the number of groups in familiar examples. | Accurately recognises equal groups in different ways and describes how the groups are equal.            | Flexible in recognising equal groups in unfamiliar contexts, explains reasoning and checks groupings.                                  |
| 2. Writes repeated addition<br><div>2 + 2 + 2 = 6</div>                                                                                                                                                                                                                                              | Needs substantial support to write repeated addition; identifies or records few relevant features.     | With prompts, writes repeated addition using some correct addends; some addends or totals may be missing.             | Accurately writes repeated addition to match equal groups and finds the total in familiar examples.                   | Writes repeated addition accurately using appropriate numbers and the correct total.                    | Flexibly writes repeated addition for unfamiliar examples, checks accuracy and explains how it matches the groups.                     |
| 3. Connects pictures, arrays and equations<br>  <div>3 + 3 = 6 = 2 x 3</div>                                                   | Needs substantial support to connect pictures, arrays and equations; identifies few connections.       | With prompts, makes some connections between the picture, array and equation; some links may be missing or incorrect. | Accurately matches pictures, arrays and equations that show the same equal groups in familiar examples.               | Confidently connects pictures, arrays and equations and explains how they show the same equal groups.   | Flexibly connects including in unfamiliar examples, explains multiple connections and checks consistency.                              |
| 4. Solves equal-groups problems<br>   | Needs substantial support to solve equal-groups problems; identifies or records few relevant features. | With prompts, sets up or solves the problem partly; some counts, groups or totals may be incorrect.                   | Accurately solves equal-groups problems using repeated addition and checks the correct answer in familiar examples.   | Solves equal-groups problems independently using a suitable strategy and checks the answer makes sense. | Flexibly solves unfamiliar equal-groups problems, chooses efficient strategies, checks reasoning and explains why the answer is right. |
| 5. Explains mathematical thinking<br>                                                                                                                                                                           | Needs substantial support to explain thinking; identifies or records few relevant features.            | With prompts, gives a partial explanation of the strategy or answer; some reasons may be missing.                     | Explains the strategy used and why it works for equal groups in familiar examples.                                    | Clearly explains the strategy and reasoning and uses mathematical language to describe the thinking.    | Explains thinking clearly and in depth, makes connections to other ideas and checks and justifies the reasoning.                       |

Teacher comment:

# Multiplication as Repeated Addition

PREVIEW



# Today's Learning

Learning intention

We are learning to represent multiplication as repeated addition.

I can...

- recognise equal groups
- write a repeated-addition sentence
- connect picture arrays and multiplication



# Equal or Unequal?

Equal groups have the same number in every group.

Example: 3, 3, 3

Unequal groups do not.

Example: 3, 2, 3

Ask: 'Does every group match?'



# Read the Picture

A picture can tell us:

- how many groups there are
- how many are in each group

Say it in this order.

3 groups of 4



# Write Repeated Addition

Use the number in each group as the addend.

3 groups of 4

$$4 + 4 + 4 = 12$$

The addend repeats once for each group.



# Skip Counting Helps

Equal groups make a skip-counting pattern

4, 8, 12

is the same as

$$4 + 4 + 4 = 12$$

Skip counting by the number in each group.



# Arrays: Rows and Columns

Rows go across. Columns go down.

For 3 rows of 4:

$$4 + 4 + 4 = 12$$

$$3 \times 4 = 12$$

Read by rows unless the problem says otherwise.



# Connect the Representations

The same equal groups can be shown as:

- a picture of groups
- an array
- repeated addition
- a multiplication sentence

Every representation has the same total.



# Worked Example

Three bags hold 4 counters each.

Groups sentence: 3 groups of 4

Repeated addition:  $4 + 4 + 4 = 12$

Multiplication:  $3 \times 4 = 12$

There are 12 counters altogether.



# Solve a Word Problem

Four lunchboxes each hold 3 strawberries.

1. Identify 4 equal groups of 3
2. Write  $3 + 3 + 3 + 3 = 12$ .
3. Check: 3, 6, 9, 12

Answer: 12 strawberries.



# Guided Practice

Build or draw 2 groups of 5.

Groups sentence: \_\_\_\_ groups of \_\_\_\_

Repeated addition: \_\_\_\_ = \_\_\_\_

Multiplication: \_\_\_\_ = \_\_\_\_

Explain how you know the total.



# Guided Practice

Build or draw 4 groups of 3.

Groups sentence: \_\_\_\_ groups \_\_\_\_

Repeated addition: \_\_\_\_ + \_\_\_\_ + \_\_\_\_

Multiplication: \_\_\_\_  $\times$  \_\_\_\_ = \_\_\_\_



# Choose a Strategy

You can solve equal groups by:

- drawing the groups
- making an array
- adding the same number
- skip counting

Choose the strategy that makes the groups easiest to see.



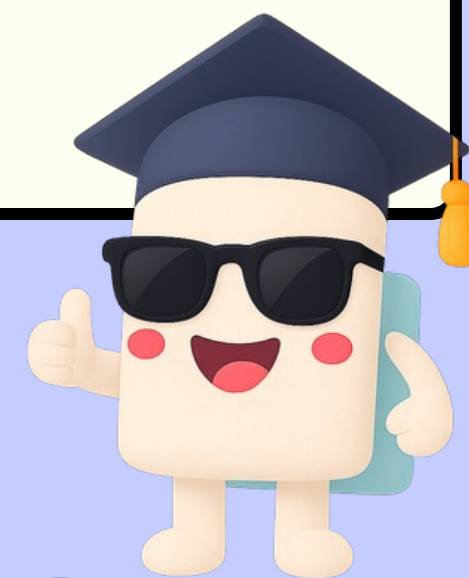
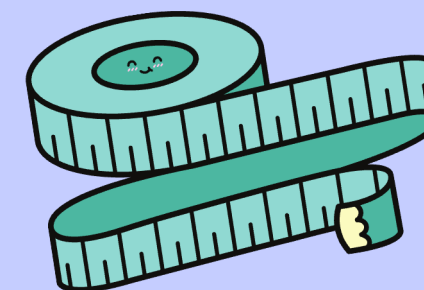
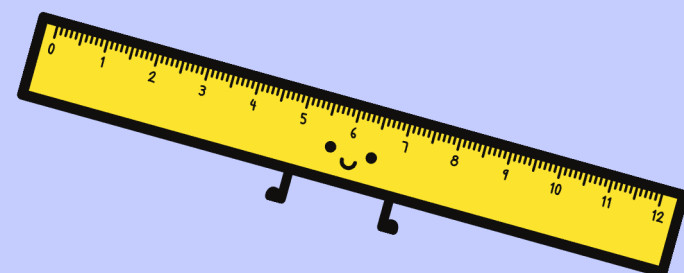
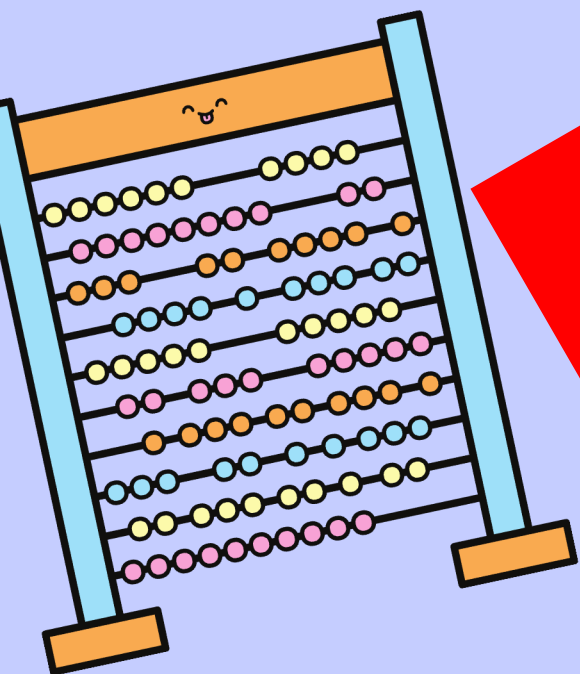
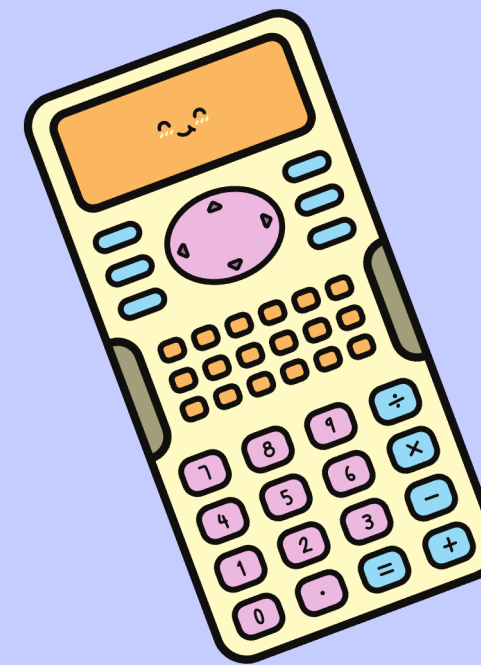
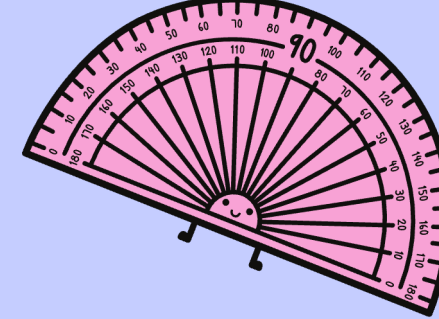
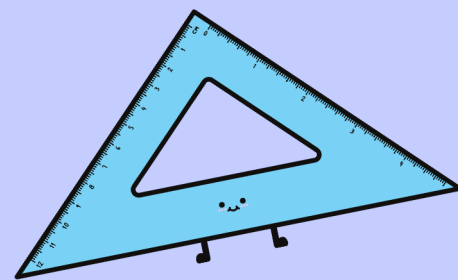
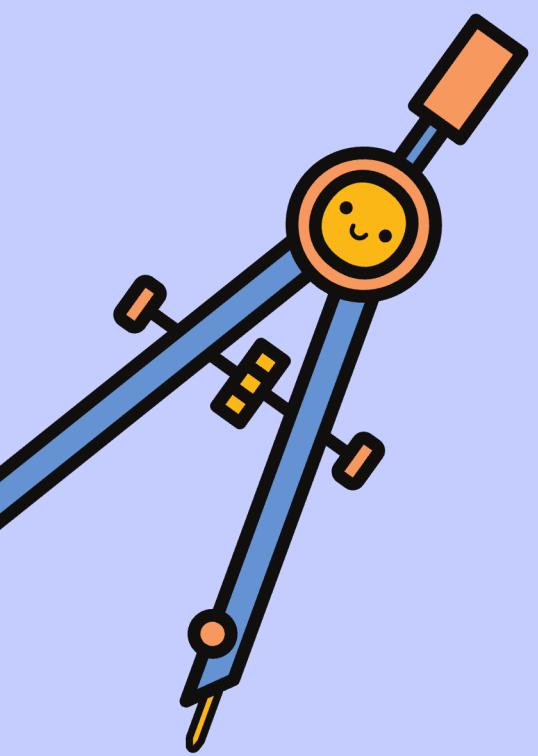
# Review and Explain

Can you...

- recognise equal groups?
- name the number of groups?
- name the number in each group?
- write repeated addition?
- write a multiplication sentence?

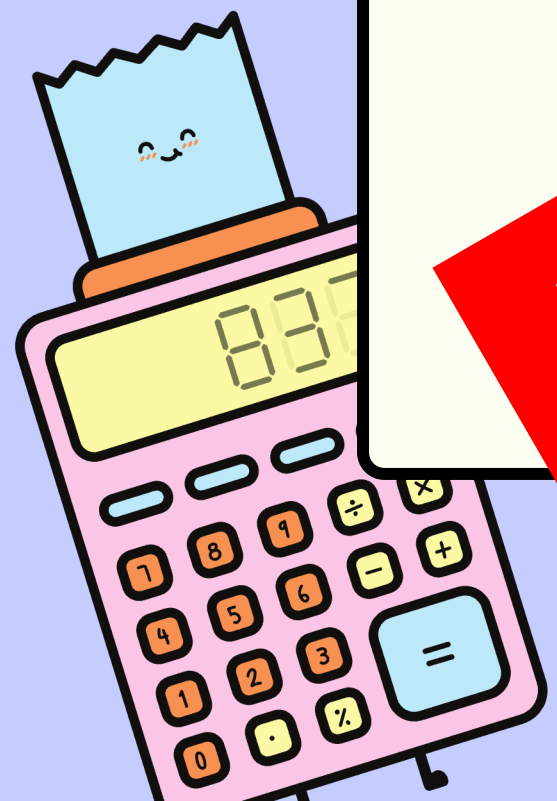
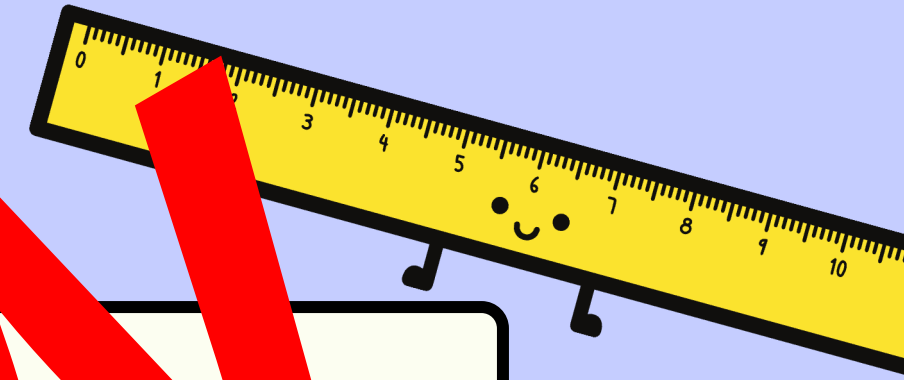
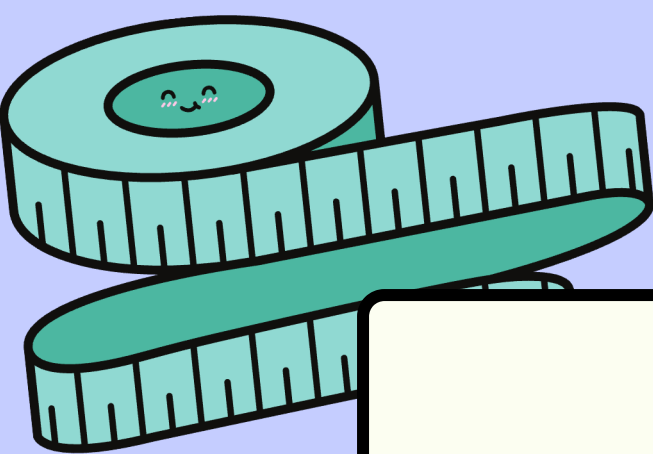
Show one example and explain it.





Well Done!

PREVIEW



**PREVIEW**

# Multiplication as Repeated Addition Quiz



# Question 1

Which description shows equal groups?

A. 3, 3, 3

B. 2, 3, 2

C. 4, 3, 2

D. 1, 2, 3



# Answer 1

Correct answer: A

3, 3, 3 shows equal groups because every group has the same number.



## Question 2

True or false?

Three groups of 2 can be written as:

$$2 + 2 + 2$$



## Answer 2

True

There are three equal groups so the number 2 appears three times.

$$2 + 2 + 2 = 6$$



## Question 3

A picture shows 4 circles with 3 dots in each.

Write the repeated-addition sentence and total.



## Answer 3

$$3 + 3 + 3 + 3 = 12$$

There are four equal groups of 3 and 12 altogether.



## Question 4

Which sentence matches an array with 2 rows of 5?

A.  $2 + 2 + 2 + 2 + 2 = 10$

B.  $5 + 5 = 10$

C.  $2 + 5 = 7$

D.  $5 + 2 = 7$



## Answer 4

Correct answer: B

Read the array by rows: two rows with 5 in each row.

$$5 + 5 = 10$$



## Question 5

Complete the pattern.

5, 10, 15, \_\_\_\_\_, \_\_\_\_\_

Then write repeated addition for five groups of 5.



## Answer 5

20, 25

$$5 + 5 + 5 + 5 + 5 = 25$$



## Question 6

True or false?

In 4 groups of 3, the 4 tells how many are in each group.



## Answer 6

False

The 4 tells the number of groups.

The 3 tells the number in each group.



## Question 7

Three trays hold 4 muffins each. How many muffins are there?

A. 10

B. 12

C. 7

D. 14



## Answer 7

Correct answer: B

$$4 + 4 + 4 = 12$$

There are 12 muffins altogether.



## Question 8

Write this repeated addition as multiplication.

$$2 + 2 + 2 + 2 = 8$$



## Answer 8

$$4 \times 2 = 8$$

There are four equal groups of 2.



## Question 9

Which sentence keeps the same 3 groups of 5?  $3 \times 5 = 15$ ?

A.  $5 + 5 + 5 = 15$

B.  $3 + 3 + 3 + 3 + 3 = 15$

C.  $3 + 5 = 8$

D.  $5 + 3 = 8$



## Answer 9

Correct answer: A

Three groups of 5 means the addend appears three times.

$$5 + 5 + 5 = 15$$



## Question 10

Create an equal-groups example with a total of 12.

Write a groups sentence and repeated addition.



# Answer 10

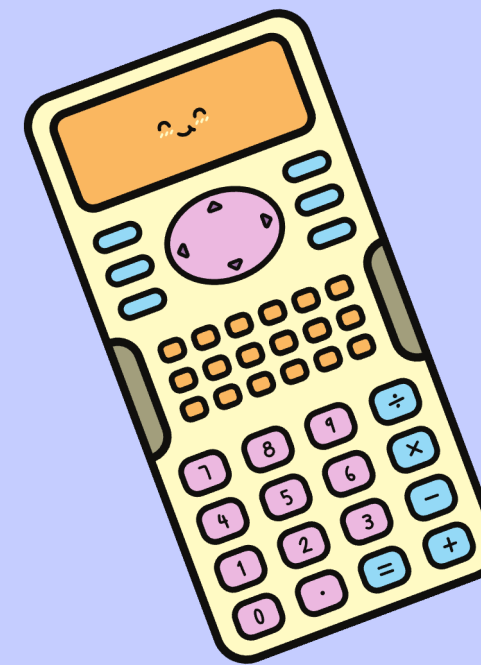
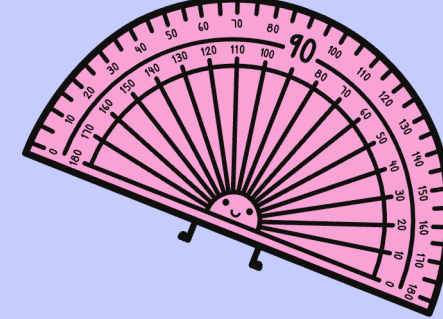
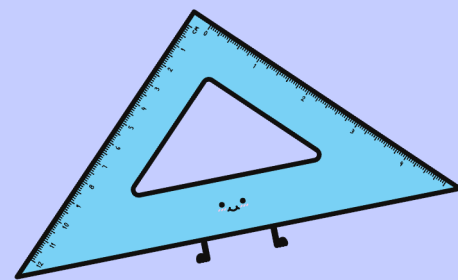
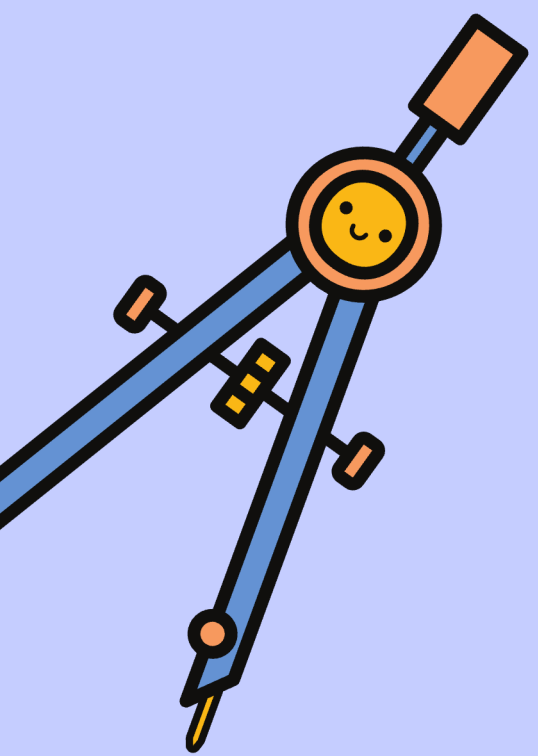
One possible answer:

3 groups of 4

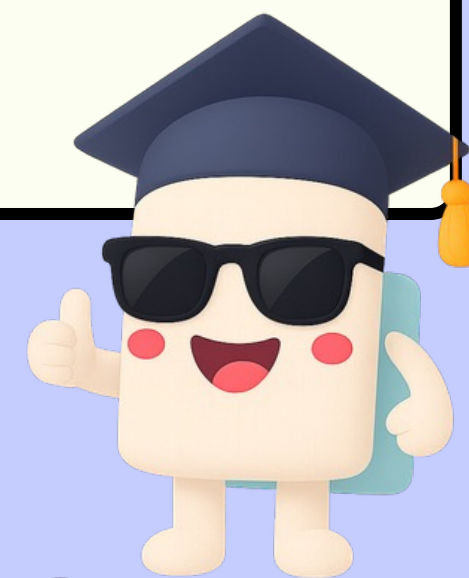
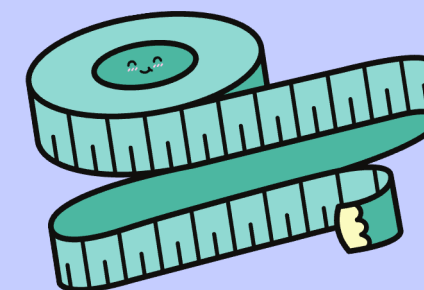
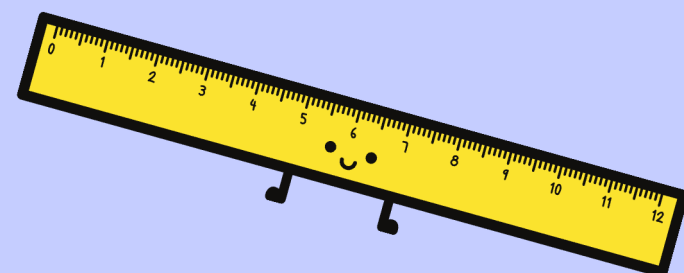
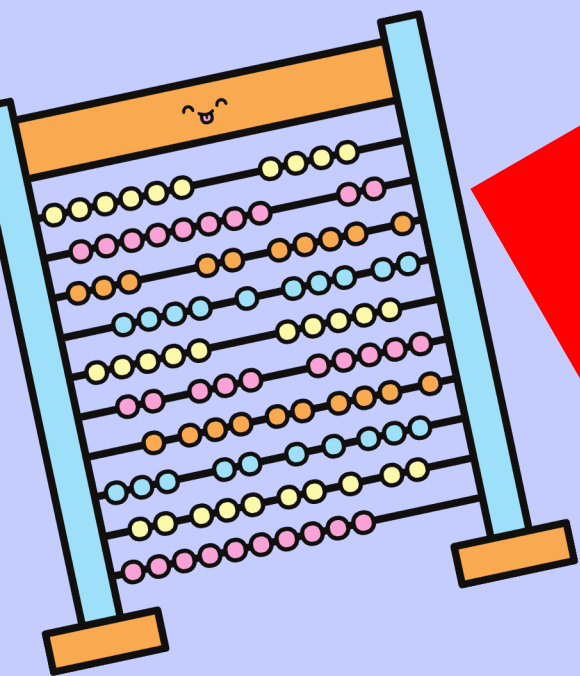
$$4 + 4 + 4 = 12$$

Other correct groups examples are possible.





Well Done!



PREVIEW