Year 2 Mathematics
Repeated Addition - Worksheet 23

Visuals & Number Sentences
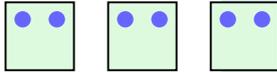
Name: _____   **Date:** _____

Section 1: Write the Repeated Addition Sum (Fluency)

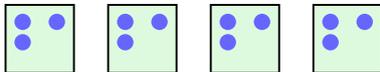**Look at the groups. Write the repeated addition sentence.**

Question 1: Look at the groups below. Each box has 2 stars.

Write the repeated addition sentence:

_____ + _____ + _____ = _____

Question 2: Look at the groups. Each box has 3 dots.

Write the repeated addition sentence:

____ + ____ + ____ + ____ = _____

Question 3: Look at the groups. Each circle has 5 dots.

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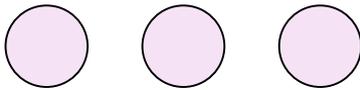
Write the repeated addition sentence:

$$\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = _____$$

Question 4: Look at the groups. Each box has 4 items.
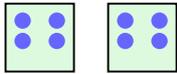
Write the repeated addition sentence:

$$_____ + _____ = _____$$

Question 5: I see 5 groups of 2. Write the repeated addition:

$$2 + 2 + 2 + 2 + 2 = _____$$

Question 6: I see 4 groups of 5. Write the repeated addition:

$$5 + 5 + 5 + 5 = _____$$

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Addition All-Star Puppy!

Why did the puppy love addition? Because it could COUNT on its PAWS!

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Section 2: Draw the Repeated Addition (Reasoning)

Draw a picture to show each repeated addition sentence.

Question 7: Draw a picture to show:

$$5 + 5 + 5$$

Hint: Draw 3 groups with 5 items in each group.
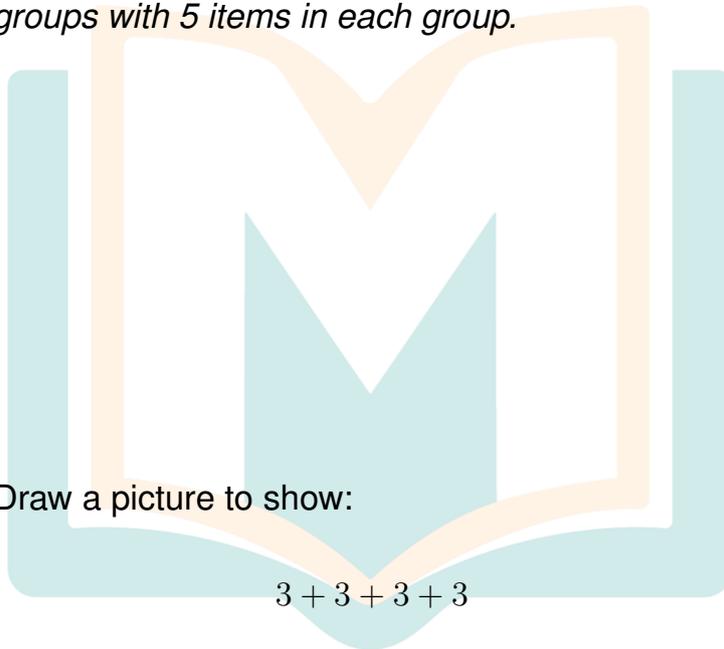
Question 8: Draw a picture to show:

$$3 + 3 + 3 + 3$$

Hint: Draw 4 groups with 3 items in each group.

4

Question 9: Draw a picture to show:

$$4 + 4$$

Question 10: Draw a picture to show:

$$2 + 2 + 2 + 2 + 2$$

Creative Drawing Bunny!

Why did the bunny love drawing groups? Because it could HOP from one group to another!

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Section 3: Matching & True or False (Challenge)

Think carefully about these questions!

Question 11: Circle the sum that matches "3 groups of 4":
(a)

$$4 + 4 + 4$$

(b)

$$3 + 3 + 3 + 3$$

Answer: _____

Question 12: True or False: 2 groups of 5 is the same as

$$5 + 5$$

Circle your answer: TRUE   FALSE

Question 13: Which sentence matches "4 groups of 3"?
(a)

$$3 + 3 + 3 + 3$$

(b)

$$4 + 4 + 4$$

Answer: _____

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Question 14: True or False:

$$10 + 10 + 10$$

is the same as 3 groups of 10.

Circle your answer: TRUE   FALSE

Question 15: Match the picture to the sum. I have 5 bags. Each bag has 2 apples.

Which sum is correct?

(a)

$$5 + 5$$

(b)

$$2 + 2 + 2 + 2 + 2$$

Answer: _____

Question 16: Circle the one that shows "6 groups of 1":

(a)

$$1 + 1 + 1 + 1 + 1 + 1$$

(b)

$$6 + 6$$

Answer: _____

Question 17: True or False:

$$4 + 4 + 4$$

means 3 groups of 4.

Circle your answer: TRUE   FALSE

> ### Wise Matching Owl!
>
> *Why did the owl get all the answers right? Because it was TOO WISE to make mistakes!*

Answer Key
Worksheet 23: Visuals & Number Sentences

Section 1: Write the Repeated Addition Sum

1.

$$2 + 2 + 2 = \textbf{6}$$

(3 groups of 2)

2.

$$3 + 3 + 3 + 3 = \textbf{12}$$

(4 groups of 3)

3.

$$5 + 5 + 5 = \textbf{15}$$

(3 groups of 5)

4.

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

(2 groups of 4)

5.

$$2 + 2 + 2 + 2 + 2 = \textbf{10}$$

(5 groups of 2)

6.

$$5 + 5 + 5 + 5 = \textbf{20}$$

(4 groups of 5)

Section 2: Draw the Repeated Addition

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7. Drawing should show **3 groups with 5 items each** (total 15 items)

8. Drawing should show **4 groups with 3 items each** (total 12 items)

9. Drawing should show **2 groups with 4 items each** (total 8 items)

10. Drawing should show **5 groups with 2 items each** (total 10 items)

Section 3: Matching & True or False

11. **(b)**

$$3 + 3 + 3 + 3$$

(3 groups of 4 means the number 4 is added 3 times)

12. **TRUE** (2 groups of 5 is

$$5 + 5$$

)

13. **(a)**

$$3 + 3 + 3 + 3$$

(4 groups of 3 means 3 is added 4 times)

14. **TRUE** (

$$10 + 10 + 10$$

is 3 groups of 10)

15. **(b)**

$$2 + 2 + 2 + 2 + 2$$

(5 bags with 2 apples each)

16. **(a)**

$$1 + 1 + 1 + 1 + 1 + 1$$

(6 groups of 1)

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17. **TRUE** (

$$4+4+4$$

means 4 is added 3 times, which is 3 groups of 4)

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Year 2 Mathematics
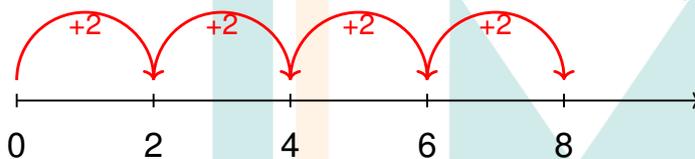## Repeated Addition - Worksheet 24

Number Line Patterns & Stories

Name: _____ **Date:** _____

Section 1: Number Line Jumps (Fluency)

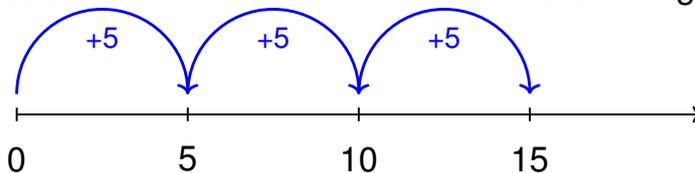**Look at the number line jumps. Write the repeated addition sentence.**

Question 1: Look at the number line showing jumps of 2:

Write the repeated addition:

$$2 + 2 + 2 + 2 = \rule{2cm}{0.4pt}$$

Question 2: Look at the number line showing jumps of 5:

Write the repeated addition:

$$5 + 5 + 5 = \rule{2cm}{0.4pt}$$

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Question 3: Fill in the missing numbers:

$$10 + 10 + 10 = \underline{\hspace{2cm}}$$

Question 4: Fill in the missing numbers:

$$3 + 3 + 3 + 3 + 3 = \underline{\hspace{2cm}}$$

Question 5: Count by 4s three times: 4, 8,
Write as repeated addition:

$$4 + 4 + 4 = \underline{\hspace{2cm}}$$

Question 6: Complete the pattern:

$$2 + 2 + 2 + 2 + 2 + 2 = \underline{\hspace{2cm}}$$

Repeatedly Rad Rabbit!

Why did the rabbit love repeated addition? Because it could HOP in equal JUMPS!

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Section 2: Word Problem Stories (Reasoning)

Read each story and write the repeated addition.

Question 7: There are 3 cats. Each cat has 4 legs.

Write the repeated addition to find the total number of legs:

_____ + _____ + _____ = _____ legs

Question 8: I buy 2 packs of pencils. Each pack has 6 pencils.

Write the repeated addition:

_____ + _____ = _____ pencils

Question 9: There are 4 flowers. Each flower has 5 petals.

Write the repeated addition:

___ + ___ + ___ + ___ = _____ petals

Question 10: A spider has 8 legs. There are 2 spiders.

Write the repeated addition:

_____ + _____ = _____ legs

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Question 11: I see 5 birds. Each bird has 2 wings.

Write the repeated addition:

_____ + _____ + _____ + _____ + _____ = _____

Question 12: There are 3 boxes. Each box has 10 marbles.

Write the repeated addition:

_____ + _____ + _____ = _____ marbles

Story Problem Champion!

Why did the maths book tell stories? Because it wanted to make problems come to LIFE!

Section 3: Thinking Ahead (Challenge)

These questions help you think about multiplication!

Question 13: Write

$$4 + 4 + 4 + 4 + 4$$

as a shorter sentence.
Hint: How many groups? What number is in each group?

Answer: _____ groups of _____

Question 14: If I add 5 six times, what is the total?

$$5 + 5 + 5 + 5 + 5 + 5 = \text{_____}$$

Question 15: Write

$$3 + 3 + 3 + 3 + 3 + 3$$

as a shorter sentence:

Answer: _____ groups of _____

Question 16: How many 2s are in

$$2 + 2 + 2 + 2 + 2 + 2 + 2$$

?

Answer: _____ groups of 2

16

Question 17: If I add 10 four times, what is the total?

Answer: _____

Question 18: Complete:

$$6 + 6 + 6 + 6 = \underline{\quad}$$

groups of

_____

Total = _____

Question 19: I have 8 groups of 2. What is the total?

Answer: _____

Question 20: True or False: 5 groups of 3 gives the same total as 3 groups of 5.

Circle your answer: TRUE   FALSE

Multiplication Master Robot!

Why did the robot love repeated addition? Because it was PROGRAMMED for patterns!

Answer Key
Worksheet 24: Patterns & Stories

Section 1: Number Line Jumps

1.
$$2 + 2 + 2 + 2 = \mathbf{8}$$

2.
$$5 + 5 + 5 = \mathbf{15}$$

3.
$$10 + 10 + 10 = \mathbf{30}$$

4.
$$3 + 3 + 3 + 3 + 3 = \mathbf{15}$$

5.
$$4 + 4 + 4 = \mathbf{12}$$

6.
$$2 + 2 + 2 + 2 + 2 + 2 = \mathbf{12}$$

Section 2: Word Problem Stories

7.
$$4 + 4 + 4 = \textbf{12 legs}$$

(3 cats with 4 legs each)

8.
$$6 + 6 = \textbf{12 pencils}$$

(2 packs with 6 pencils each)

18

9.

$$5 + 5 + 5 + 5 = \textbf{20 petals}$$

(4 flowers with 5 petals each)

10.

$$8 + 8 = \textbf{16 legs}$$

(2 spiders with 8 legs each)

11.

$$2 + 2 + 2 + 2 + 2 = \textbf{10 wings}$$

(5 birds with 2 wings each)

12.

$$10 + 10 + 10 = \textbf{30 marbles}$$

(3 boxes with 10 marbles each)

Section 3: Thinking Ahead

13. **5 groups of 4** (

$$4 + 4 + 4 + 4 + 4$$

has the number 4 repeated 5 times)

14.

$$5 + 5 + 5 + 5 + 5 + 5 = \textbf{30}$$

15. **6 groups of 3** (the number 3 is repeated 6 times)

16. **7 groups of 2** (the number 2 appears 7 times)

17. **40** (

$$10 + 10 + 10 + 10 = 40$$

)

18. **4 groups of 6**, Total = **24**

19. **16** (

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$$

)

20. **TRUE** (Both equal 15:

$$5 + 5 + 5 = 15$$

and

$$3 + 3 + 3 + 3 + 3 = 15$$

)

Outstanding Work, Repeated Addition Experts!

You're ready for multiplication!

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