

Operations & Algebraic Thinking Bundle

4th GRADE
task cards

Multiplication as Comparisons
4th GRADE task cards

Multi-Step Word Problems

FACTORS & MULTIPLES
4th GRADE task cards

Generate & Analyze Patterns
4th GRADE task cards

WORD PROBLEMS
Multiplicative Comparisons
4th GRADE task cards

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Multiplication as Comparisons

4th GRADE

task cards

ANSWER SHEET

Name: _____ Date: _____

Card #	Answer
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1.	16.
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	23.
	24.
8.	25.
9.	26.
10.	27.
11.	28.
12.	29.
13.	

Multiplication as Comparisons

25 MULTIPLICATION AS COMPARISONS
Read the problem and determine the correct answer.



Lily is 5 years old. Liam is 2 times older than Lily. How old is Liam?

Liam is years old.

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MULTIPLICATION AS COMPARISONS

Which equation matches the comparison?

100 is 5 times as many as 20

A. $100 = 50 \times 2$

B. $25 \times 4 = 100$

C. $100 = 5 \times 20$

D. $100 = 10 \times 10$

9

MULTIPLICATION AS COMPARISONS

Which number makes the comparison and the equation match?

2 times as many as ? is 50

$2 \times ? = 50$

A. 25

B. 48

C. 32

D. 17

MULTIPLICATION AS COMPARISONS

CHALLENGE

Audrey has 2 dogs. She has 5 times as many fish as dogs. How many total pets does Audrey have?

27

MULTIPLICATION AS COMPARISONS

Read the problem and determine the correct answer.

It takes 10 minutes to walk to the park. It takes 4 times as many minutes to walk to the pharmacy. How many minutes does it take to walk to the pharmacy?

It takes minutes to walk to the pharmacy.



30

MULTIPLICATION AS COMPARISONS

Read the problem and determine the correct answer.

Jerome won 25 tickets. Gabriel won 6 times as many tickets as Jerome. How many tickets did Gabriel win?

Gabriel won tickets.



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29

MULTIPLICATION AS COMPARISONS

Read the problem and determine the correct answer.

There are 5 tables in the restaurant. The restaurant has 4 times as many chairs as tables. How many chairs are there in the restaurant?



There are chairs in the restaurant.

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Preview

26 MULTIPLICATION AS COMPARISONS

Read the problem and determine the correct answer.



A sandwich costs \$3. A salad costs 3 times as much as a sandwich. How much does a salad cost?

A salad costs .

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WORD PROBLEMS

Multiplicative Comparisons

4th GRADE
task cards

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10.		26.	
11.		27.	

Multiplicative Comparison Word Problems

30

MULTIPLICATIVE COMPARISON WORD PROBLEMS



There are 39 crayons and 6 times as many colored pencils as there are crayons. How many colored pencils are there?

colored pencils

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Print

MULTIPLICATIVE COMPARISON WORD PROBLEMS

2

George is 17 years old.
Cynthia is 4 times older
than George. How old
is Cynthia?



years old

MULTIPLICATIVE COMPARISON **CHALLENGE**

There are 15 dogs in the shelter. There are
twice as many cats as there are dogs. How
many legs do the animals have in all?

legs

MULTIPLICATIVE COMPARISON WORD PROBLEMS

7

Fred has 7 times as
many books as Bryan.
Bryan has 16 books.
How many books does
Fred have?



books

MULTIPLICATIVE COMPARISON WORD PROBLEMS

11

27 people went to the library
on Thursday. There were 3
times as many visitors to the
library on Friday. How many
visitors came to the library
on Friday?



visitors

MULTIPLICATIVE COMPARISON WORD PROBLEMS

17

Cynthia read 15 pages of her
book, and Luis read 45 pages.
How many times more pages
did Luis read than Cynthia?

pages

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MULTIPLICATIVE COMPARISON WORD PROBLEMS

Jennifer has 56 dollars. That is 8 times as many as she needs to buy a movie ticket. How many dollars does Jennifer need to buy a movie ticket?

\$

7



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Preview

9

**MULTIPLICATIVE COMPARISON
WORD PROBLEMS**

Peter picked 12 apples from the tree. James picked 4 times more apples than Peter. How many apples did James pick?

 apples

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Multi-Step Word Problems

4th GRADE
task cards

ANSWER SHEET

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3.		18.	
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8.		23.	
9.		24.	
10.		25.	
11.		26.	
12.		27.	

Multi-Step Word Problems

18

MULTI-STEP WORD PROBLEMS

Solve the word problem, and choose the correct answer. Use scratch paper, if needed.

Sophia has 77 chocolate kisses. She eats 5 and divides the rest evenly between her 8 friends. How many kisses did each friend get?

11 kisses

9 kisses

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MULTI-STEP WORD PROBLEMS

2

Solve the word problem, and choose the correct answer. Use scratch paper, if needed.

Blake has a new box of Legos. It takes him 12 minutes to build the car, and double that time to build the house. How much time does Blake need to build the car and house?

24 minutes

36 minutes

MULTI-STEP WORD PROBLEMS

10

Solve the word problem, and choose the correct answer. Use scratch paper, if needed.

There are 6 fourth grade teachers. There are 14 as many fourth grade students as teachers. How many students and teachers are there?

90 students and teachers

84 students and teachers

WORD PROBLEM CHALLENGE

The lemonade and cookie fundraiser sold \$128, and one fourth of the profits were from lemonade. How much money was raised by selling cookies?

\$ Type here

15

MULTI-STEP WORD PROBLEMS

Solve the word problem, and choose the correct answer. Use scratch paper, if needed.

James gets \$7 a week for his allowance. How many weeks will he need to save his allowance to have \$64? How many extra dollars will he have?

10 weeks, \$6 extra

6 weeks, \$10 extra

MULTI-STEP WORD PROBLEMS

22

Solve the word problem, and choose the correct answer. Use scratch paper, if needed.

There are 12 boys and 13 girls in each 4th grade class. There are 4 4th grade classes. How many more girls than boys are there in 4th grade?

5 more

4 more

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23

MULTI-STEP WORD PROBLEMS

Solve the word problem, and choose the correct answer. Use scratch paper, if needed.

The farmer's market had 48 visitors on Friday, and triple that amount on Saturday. On Sunday, there were 120 visitors. How many more visitors were there on Saturday than Sunday?

31 more

24 more



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27

MULTI-STEP WORD PROBLEMS

Solve the word problem, and choose the correct answer. Use scratch paper, if needed.

The store has 984 jars of perfume, and 64 came broken, so they cannot be sold. It sold 127 jars each day for a week. How many perfume jars (j) does it have left?

$j = 31$ $j = 28$

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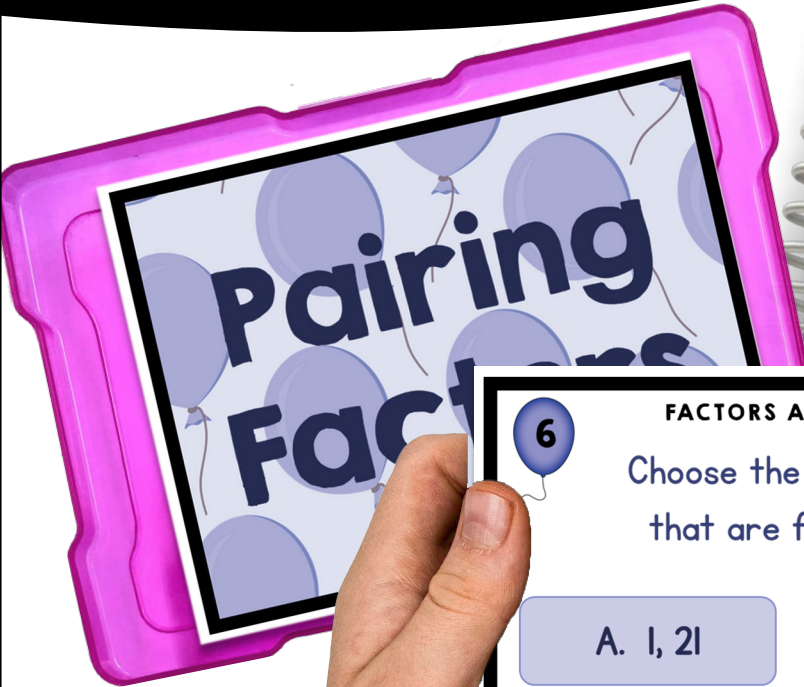
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FACTORS & MULTIPLES

4th GRADE
task cards



6 **FACTORS AND MULTIPLES**

Choose the number pairs that are factors of 21.

A. 1, 21 B. 2, 11

C. 3, 7 D. 6, 17

ANSWER SHEET

Name: _____ Date: _____

Card #	Answer
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FACTORS AND MULTIPLES

Complete the factor pair chart.

3

12



FACTORS AND MULTIPLES

Choose the number pairs that are factors of 19.

A. 15, 4

B. 1, 19

C. 20, 1

D. 6, 3

FACTORS AND MULTIPLES CHALLENGE

I am an even number. I am a multiple of both 2 and 4. My value is less than 12. Which number am I?

FACTORS AND MULTIPLES

Which numbers are multiples of 5?

1	2	3	4	5
6	7	8	9	10

FACTORS AND MULTIPLES

Is the number prime or composite?

17

Prime

Composite

24

FACTORS AND MULTIPLES

This number is a multiple of 5 and 10.

A. 25

B. 42

C. 35

 D. 20

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16

FACTORS AND MULTIPLES

What are the first 4 multiples of the number?

6

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Generate & Analyze Patterns

4th GRADE
task cards

Generate and Analyze Patterns

18

GENERATE AND ANALYZE PATTERNS

What is the rule in the table?

In	1	2	3	4	5
Out	9	10	11	12	13

A. Add 8

B. Subtract 3

C. Multiply by 9

D. Divide by 4

ANSWER SHEET

Name: _____

Date: _____

Card #

Answer

1.

2.

Card #

Answer

16.

17.

18.

19.

20.

21.

22.

23.

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25.

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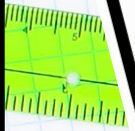
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Print



1 GENERATE AND ANALYZE PATTERNS

Choose the next shape in the pattern.

Triangle, Square, Pentagon, Hexagon (A), Heptagon (B)

7 GENERATE AND ANALYZE PATTERNS

Write the next numbers in the pattern.

2, 22, 2, 222, 2

[] , [] , []

PATTERNS CHALLENGE

If the pattern starts at 1 and the rule is "add two", will the rest of the numbers in the pattern be odd or even?

13 GENERATE AND ANALYZE PATTERNS

Complete the Input Output table by following the rule.

Rule: Add 8

In	6	9	12	15	18
Out					

21 GENERATE AND ANALYZE PATTERNS

Complete the table by following the rule.

Rule: Multiply by 2, subtract 1.

4



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GENERATE AND ANALYZE PATTERNS

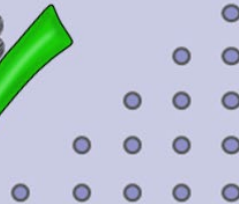
Choose the next shape in the pattern.



A



B



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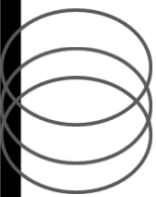


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GENERATE AND ANALYZE PATTERNS

The first number in a pattern is 3. The pattern follows the rule "Multiply by 2". Choose the next 3 numbers in the pattern.



9 18 15 6

21 12 24

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X Give up

✓ Submit