

MULTIPLICATIVE COMPARISONS

4th Grade

MULTIPLI

NAME: _____

Directions: Fill in the!

1 $4 \times 5 = 20$

2 $3 \times 7 = 21$

3 $6 \times 8 = 48$

4 $2 \times 9 = 18$

5 $10 \times 5 = 50$

6 $3 \times 6 = 18$

7 $7 \times 9 = 63$

8 $4 \times 8 = 32$

9 $6 \times 5 = 30$

10 $2 \times 4 = 8$

There are 6 are 4 times bugs. How r

Tyler h as mar How n

3 dogs

MULTIPLICATIVE COMPARISONS

Color by number

Directions: Solve each multiplicative comparison. Then, color the picture according to the answer.

yellow	gray	white	brown	green	purple	blue	orange
15	56	8	24	20	25	28	48
72	27	81	30	42	14	36	45
49	64		16	18	40	32	9

MULTIPLICATIVE COMPARISONS

drag and drop

Directions: Determine which number correctly completes each multiplicative comparison. Drag the number from the bottom of the slide into the space.

1 is 8 times as many as 6

2 35 is times more than 5

3 15 is 3 times as much as

4 is 6 times larger than 4

5 28 is 7 times more than

6 18 is times as many as 2

10 40 5 16 24 7

48 9 2 8 4 6

NAME: _____ DATE: _____

MULTIPLICATIVE COMP

Fill in the blank

Directions: Fill in the blanks in each multiplicative comparison.

1 $4 \times 5 = 20$

20 is 5 times

2 $3 \times 7 = 21$

21 is 3 times

3 $6 \times 8 = 48$

48 is 8 times

4 $2 \times 9 = 18$

18 is 9 times

5 $10 \times 5 = 50$

50 is 10 times

6 $3 \times 8 = 24$

24 is 8 times

7 $5 \times 5 = 25$

25 is 5 times

8 $7 \times 9 = 63$

63 is 7 times64 is 8 times

NAME: _____ DATE: _____

MULTIPLICATIVE

Directions: For each problem, d

- 1 There are 6 ladybugs in a garden. There are 4 times as many caterpillars as ladybugs. How many caterpillars are there?

6 $\times$ 4

- 2 Tyler has 18 green jellybeans. He has 3 times as many green jellybeans as pink jellybeans. How many pink jellybeans does Tyler have?

3 $\times$ 6

- 3 Safira read 3 pages in a book. She read 5 times as many pages as Jam. How many pages did Jam read?

NAME: _____ DATE: _____

MULTIPLICATIVE COMPARISONS

Color by number

Directions: Solve each multiplicative comparison. Then, color.

yellow	gray	white	brown	green
15	56	8	24	20
72	27	81	30	42
49	64		16	18



Multiplicative COMPARISONS

When using multiplicative comparison, use

$8 \times 5 = 40$

40 is 8 times

$3 \times 6 = 18$

18 is 3 times

$7 \times 9 = 63$

63 is 7 times

$4 \times 8 = 32$

32 is 4 times

Remember

5 times

6 times

4x4

7x9

4x8

6x8

4x5

multiplication as COMPARISON

When using multiplication to compare, you may use phrases like:

$8 \times 5 = 40$

40 is 8 times more than 5



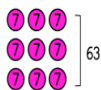
$3 \times 6 = 18$

18 is 3 times as many as 6



$7 \times 9 = 63$

63 is 7 times as large as 9



$4 \times 8 = 32$

32 is 4 times as much as 8



7x8

5x9

3x8

5x6



MULTIPLY

NAME: _____
Directions: You are a p
can't claim them until
For each gem, write a
and paste into the tra

3 6
18

2 6
12

9 8
72

MULTIPLY

NAME: _____
Directions: Look at each
for the items in the p

1 28 sc

2 7 glu

3 6

4 3

5 4

6 5

7 6

MULTIPLICATIVE COMPARISON

NAME: _____ DATE: _____
Directions: Fill in the blanks in e blank

- 1 $4 \times 5 = 20$
- 2 $3 \times 7 = 21$
- 3 $6 \times 8 = 48$
- 4 $2 \times 9 = 18$
- 5 $10 \times 5 =$
- 6 $3 \times$
- 7
- 8

Multiplication a
When using multiplication to compare,
use phrases like:

$8 \times 5 = 40$

$3 \times 6 = 18$

$7 \times 9 = 63$

$4 \times 8 = 32$

40 is 8 times more than 5

63 is 9 times as large as 7

32 is 4 times as much as 8

Remember of commutative property
multiplication:

5 times more than 6 is 30

6 times more than 5 is 30

$\begin{matrix} 6 & 6 & 6 & 6 & 6 \\ 5 & 5 & 5 & 5 & 5 \end{matrix} \Bigg] 30$
equal Babes

$\begin{matrix} 9 & 9 & 9 \\ 8 & 8 & 8 \end{matrix} \Bigg] 32$

$\begin{matrix} 7 & 7 & 7 & 7 & 7 \\ 3 & 3 & 3 & 3 & 3 \end{matrix} \Bigg] 63$

$\begin{matrix} 6 & 6 & 6 \\ 6 & 6 & 6 \end{matrix} \Bigg] 18$

$\begin{matrix} 5 & 5 & 5 & 5 & 5 \\ 5 & 5 & 5 & 5 & 5 \end{matrix} \Bigg] 50$





NAME: _____

MULTIPLICATION

Directions: You are a pirate and can't claim them until you have found the treasure. For each gem, write a multiplication equation and paste into the treasure chest.

NAME: _____

MULT

Directions: Look for the items

1



2



Multiplication as COMPARISON

When using multiplication to compare, you may use phrases like:

$$8 \times 5 = 40$$

40 is 8 times more than 5

$$\begin{array}{c} 5 & 5 & 5 & 5 & 5 \\ 5 & 5 & 5 & 5 & 5 \end{array} \Bigg] 40$$

$$3 \times 6 = 18$$

3 times as many as 6 is 18

$$\begin{array}{c} 6 & 6 \\ 6 & 6 \end{array} \Bigg] 18$$

$$7 \times 9 = 63$$

63 is 9 times as large as 7

$$\begin{array}{c} 7 & 7 & 7 \\ 7 & 7 & 7 \\ 7 & 7 & 7 \end{array} \Bigg] 63$$

$$4 \times 8 = 32$$

32 is 4 times as much as 8

$$\begin{array}{c} 8 & 8 \\ 8 & 8 \end{array} \Bigg] 32$$

DATE: _____

COMPARISONS

Write the numbers according to the answer.

blue	orange
28	48
36	45
32	9

MULTIPLICATIVE COMPARISONS

fast match

Directions: Set a timer. Time yourself as you look at the blocks and drag to create matches between multiplicative comparisons and multiplication equations. Play again to see if you can improve your time, or have a friend see if they can make all the matches faster.

3 times as many as 7	8 times more than 7	2 times as many as 6	4 times more than 5	6 times as much as 3	5 times more than 9	7 times as many as 2
9 times more than 4	2 times as much as 8	4 times as many as 6	6 times more than 5	3 times as much as 5	7 times more than 9	8 times as many as 6
30	18	20	12	63	48	24
36	14	16	45	15	56	21

COMPARISONS
blank
multiplicative comparison.

20 is
21 is

50 is
24 is
25 is
63 is
64 is
24 is

times as much as
times as many as
times as much as
times as many as

5 $2 \times 9 = 18$
6 $10 \times 5 = 50$
7 $3 \times 8 = 24$
8 $5 \times 5 = 25$
9 $7 \times 9 = 63$
10 $8 \times 8 = 64$
11 $4 \times 6 = 24$



Pirate treasure

A captain who just discovered a bountiful treasure of gems- but you have to prove your skills at multiplicative comparisons! Cut out the gems below. This is a multiplicative comparison that includes all three numbers. Color each gem.



COMPARATIVE COMPARISONS

each problem. Fill in the blanks, the problem.

scissors

Multiplication as COMPARISON

Using multiplication to compare, you may use phrases like:

- more than 5

use phrases more than 5

$$\times 5 = 40$$
$$3 \times 6 = 18$$
 $7 \times 9 = 63$ 

$$6 \times 5 = 30$$

DATE:

NAME _____

Making m...le

Directions: For each problem, draw a model.

- 1** There are 6 ladybugs in the garden. There are 4 times as many caterpillars as ladybugs. How many caterpillars are there?

$$\underline{6} \times \underline{4} = \underline{24}$$

- 2 Tyler [redacted] means. He has 3 times
as m [redacted]

NAME: _____

Color by number

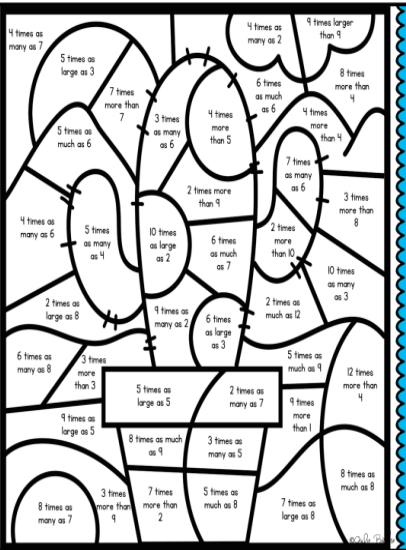
ns: Solve each multiplicative comparison. Then, color the

W	gray	white	brown	green	P
	56	8	24	20	
	27	81	30	42	
	64		16	18	

color by number

Directions: Solve each multiplicative comparison. Then, color the picture according to the answer. Click on the area you want to color, then use the paint bucket icon to fill.

yellow	15	72	49
blue	28	36	32
orange	48	45	9
purple	25	14	40
white	8	81	
green	20	42	18
gray	56	27	64
brown	24	30	16



24 is 4 times as many as 6

MULTIPLICATIVE COMPARISONS

4th grade

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multiplication as



COMPARISON



When using multiplication to compare, you may
use phrases like:

$$8 \times 5 = 40$$

40 is 8 times more than 5



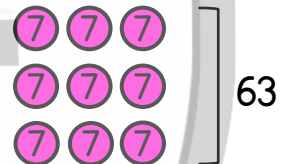
$$3 \times 6 = 18$$

3 times as many as 6 is 18



$$7 \times 9 = 63$$

63 is 9 times as large as 7



$$4 \times 8 = 32$$

32 is 4 times as much as 8



Remember the commutative property
of multiplication:

$$6 \times 5 = 30$$

5 times more than 6 is 30



6 times more than 5 is 30



NAME: _____

DATE: _____

MULTIPLICATIVE COMPARISONS

fill in the blank

Directions: Fill in the blanks in each multiplicative comparison.

1 $4 \times 5 = 20$ 20 is _____ times as many as 4

2 $3 \times 7 = 21$ 21 is _____ times as many as 7

3 $6 \times 8 = 48$ 48 is _____ times as many as 6

4 $2 \times 9 = 18$ 18 is _____ times as many as 2

5 $10 \times 5 = 50$ 50 is _____ times as many as 5

6 $3 \times 8 = 24$ 24 is _____ times as many as 3

7 $5 \times 5 = 25$ 25 is _____ times as many as 5

8 $7 \times 9 = 63$ 63 is _____ times as many as 9

9 $8 \times 8 = 64$ 64 is _____ times as many as 8

10 $4 \times 6 = 24$ 24 is _____ times as many as 6

NAME: _____

DATE: _____

MULTIPLICATIVE COMPARISONS

writing comparisons

Directions: Write a multiplicative comparison for each multiplication equation given.



$8 \times 5 = 40$ $\longrightarrow$ 8 times more than 5 is 40

1 $9 \times 3 = 27$

2 $2 \times 5 = 10$

3 $4 \times 9 = 36$

4 $6 \times 7 = 42$

5 $8 \times 2 = 16$

6 $6 \times 5 = 30$

7 $7 \times 7 = 49$

8 $10 \times 3 = 30$

9 $9 \times 6 = 54$

10 $8 \times 4 = 32$

NAME: _____

DATE: _____

MULTIPLICATIVE COMPARISONS

cut and paste

© Julie Buckner

Directions: Cut out the numbers at the bottom of the page. Determine which number correctly completes each multiplicative comparison and paste in the space.

- 1 is 8 times as many as 6
- 2 35 is times more than 5
- 3 15 is 3 times as much as
- 4 is 6 times larger than 4
- 5 28 is 7 times more than
- 6 18 is times as many as 2
- 7 is 10 times larger than 4
- 8 54 is 9 times as much as
- 9 32 is times as many as 4
- 10 is 8 times more than 2
- 11 12 is 6 times as much as
- 12 50 is times more than 5



10	48	8	7	5	9
6	24	40	2	4	16

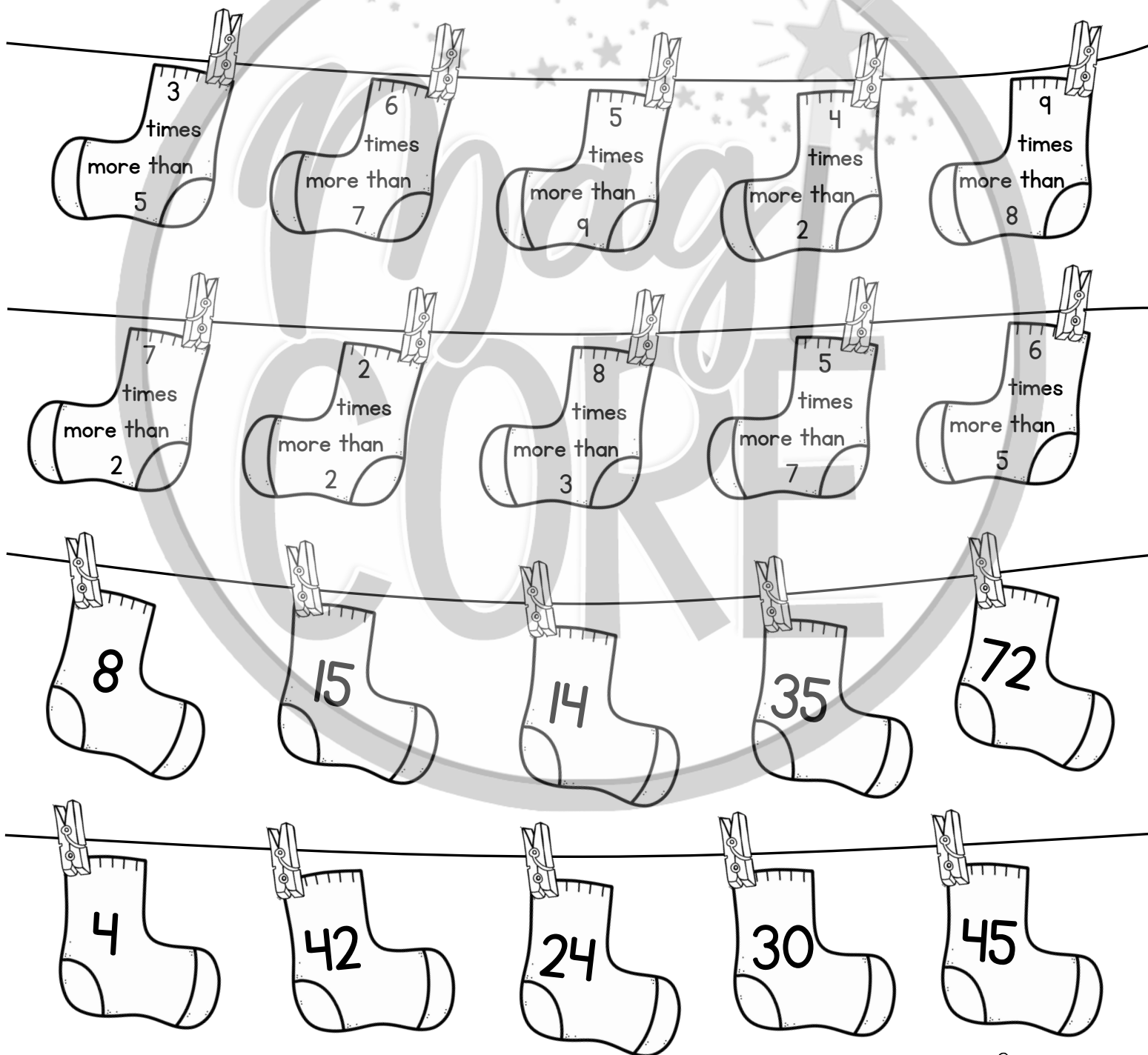
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MULTIPLICATIVE COMPARISONS

matching socks

Directions: Create pairs of socks hanging on the clotheslines below by matching the multiplicative comparison with its corresponding product. Color each matching pair of socks with the same color.



NAME: _____

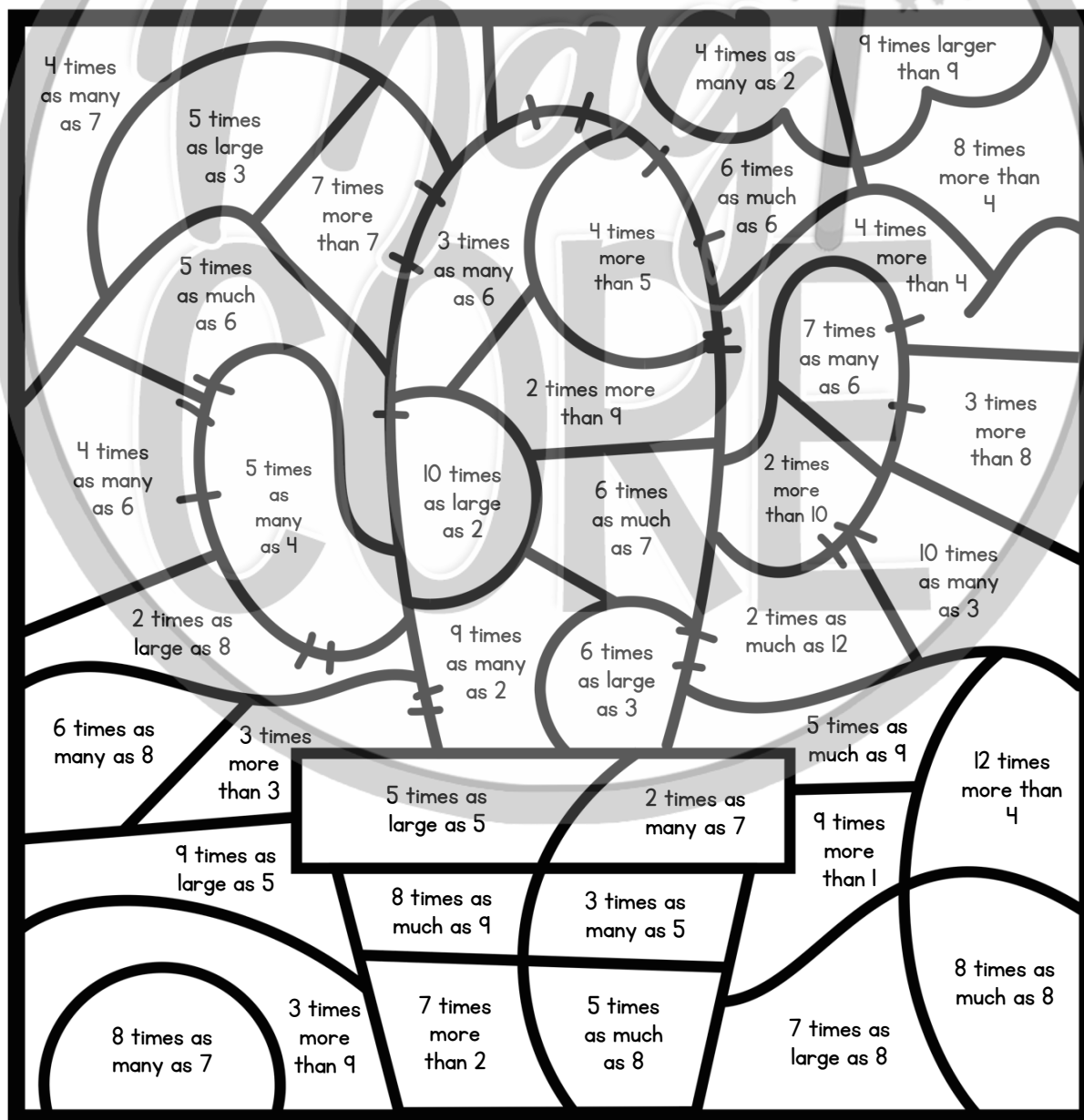
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MULTIPLICATIVE COMPARISONS

color by number

Directions: Solve each multiplicative comparison. Then, color the picture according to the answer.

yellow	gray	white	brown	green	purple	blue	orange
15	56	8	24	20	25	28	48
72	27	81	30	42	14	36	45
49	64		16	18	40	32	9



NAME: _____

DATE: _____

MULTIPLICATIVE COMPARISONS

story problems

Directions: Solve the story problems involving multiplicative comparisons.

- 1** A recipe for soup calls for one cup of milk. It calls for four times as much chicken broth as milk. How much chicken broth does the recipe call for?



- 2** There are 9 students in the library. There are 8 times as many students in the cafeteria as there are in the library. How many students are in the library?



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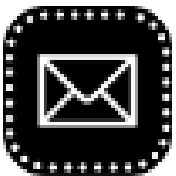
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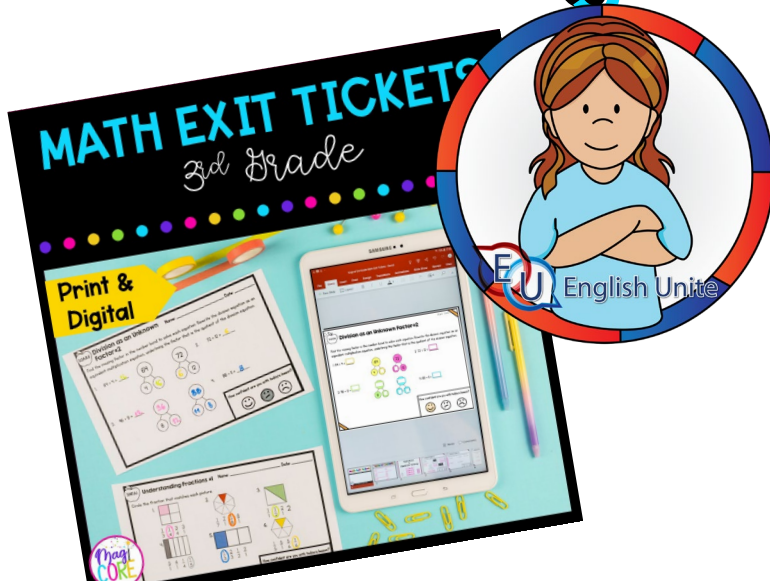


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