Students entering grade 4

Dear Parents and Students,

Attached, please find this year's summer practice packet for math. These packets will be due to the homeroom or mathematics teacher on the first day of school and will count as a grade for the first trimester. Please see rubric below for grading details. As you will see on the rubric, in order to receive the full 30 points, all problems must be complete, neat and organized, with detailed work shown for each problem (where applicable). Thank you in advance for your focused effort on this year's summer math packet. It is our hope that completing the math packet will reinforce the skills taught this year. We hope you enjoy a fantastic summer and look forward to working with you again this fall.

Sincerely,

Dawn Parker

Dawn Parker

Summer Math Packet Rubric

Name: _____

A. All problems in the packet are complete.

Points: 10 8 6 4 2

B. Detailed work process is shown for each problem (use extra paper as needed).

Points: 10 8 6 4 2

C. Work is neat and organized.

Points: 5 4 3 2 1

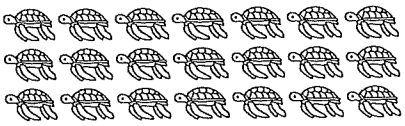
D. Summer Practice Packet is handed in on time (the first day of school). One point will be deducted for e ach day the assignment is late.

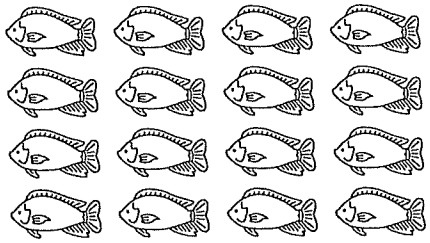
Points: 5 4 3 2 1

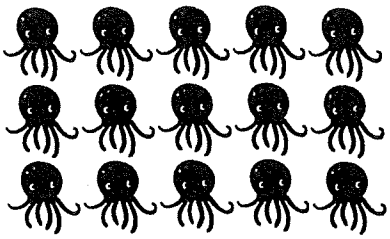
Total Points Possible: 30 Points Earned: _____

We are Family

Write the fact family using multiplication and division facts for each picture.







_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

Write each answer.

Circle the fact that does not belong to the family.

6 x 3 = _____	32 ÷ 4 = _____	54 ÷ 9 = _____
3 x 6 = _____	7 x 4 = _____	6 x 9 = _____
18 ÷ 3 = _____	28 ÷ 4 = _____	45 ÷ 9 = _____
6 x 6 = _____	4 x 7 = _____	9 x 6 = _____
18 ÷ 6 = _____	28 ÷ 7 = _____	54 ÷ 6 = _____
36 ÷ 9 = _____	45 ÷ 5 = _____	81 ÷ 9 = _____
4 x 9 = _____	8 x 5 = _____	72 ÷ 9 = _____
9 x 4 = _____	40 ÷ 8 = _____	9 x 9 = _____
36 ÷ 4 = _____	5 x 8 = _____	
32 ÷ 4 = _____	40 ÷ 5 = _____	

Name: _____

Daily Math Practice

D

002

Math Buzz

Add. *Show your work*

Find the sum of 129 and 874.

_____

298 + 607 = _____

445
+ 386

Multiply.

4 x 9 = _____

_____ = 6 x 7

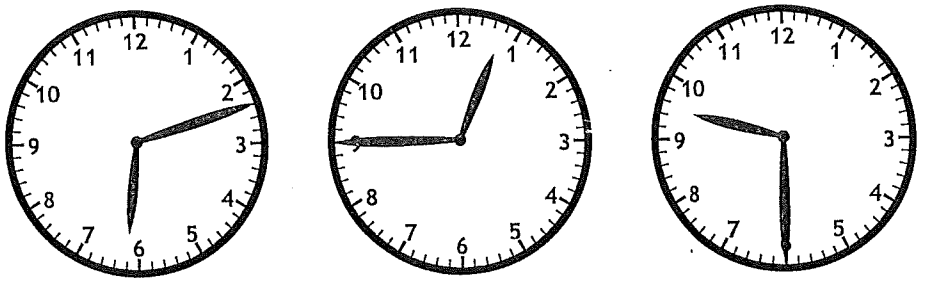
3 x 8 = _____

The DeCarlo family drove a total of 748 miles on their roadtrip. The first week, they drove 309 miles to Washington, D.C. and the second week they drove to Boston. Choose the operation you would use to find how many miles the DeCarlo family drove to Boston.

Add **Subtract**

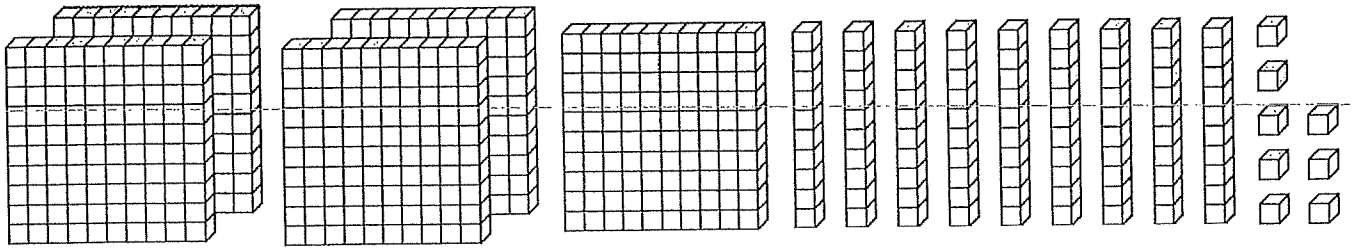
Multiply **Divide**

Draw a line to match each clock to the time shown.



9:30 6:12 12:45

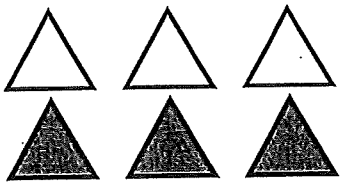
Count the blocks.

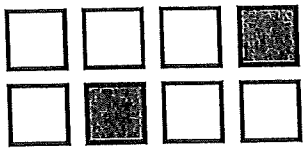


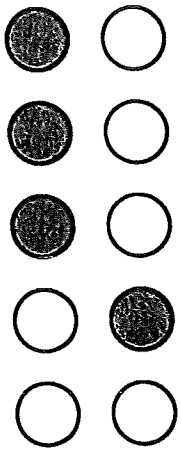
What number is shown? _____

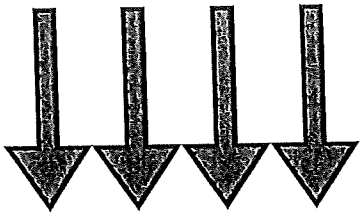
FRACTION ACTION

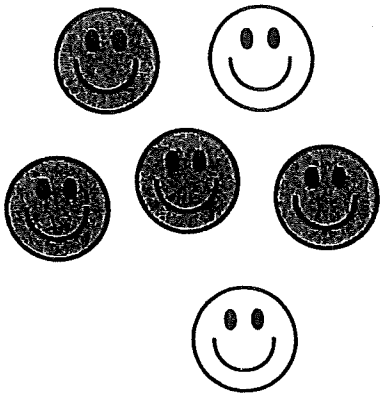
What fraction of the group is shaded?

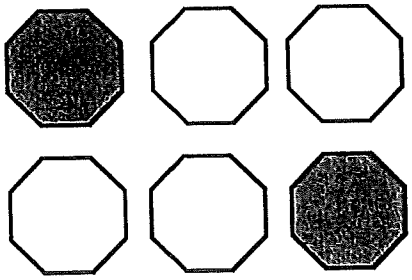


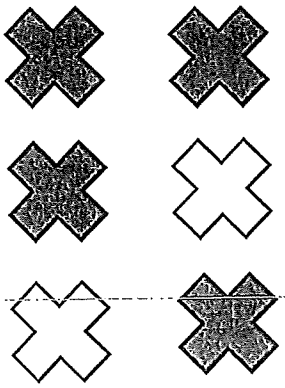


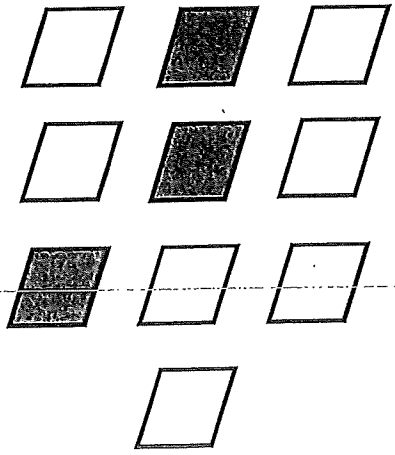








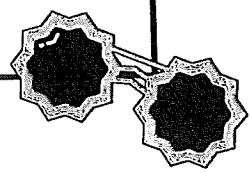




MULTIPLICATION PATTERNS

Use a basic fact and a pattern to find the products.

3 x 10 = 3 x 100 = 3 x 1000 =	10 x 2 = 100 x 2 = 1000 x 2 =
10 x 6 = 100 x 6 = 1000 x 6 =	8 x 10 = 8 x 100 = 8 x 1000 =
5 x 10 = 5 x 100 = 5 x 1000 =	10 x 7 = 100 x 7 = 1000 x 7 =



6 x 100 =
4 x 100 =
7 x 1000 =

9 x 100 =
5 x 10 =
1000 x 1 =

10 x 3 =
1000 x 9 =
2 x 10 =

***Use the picture graph for the next two problems.**

How many rocks does Eva have? Explain how you found your answer.

_____

_____

_____

Sam has 30 more rocks in his collection than Tim. Draw rocks in the picture graph to show the number of rocks in Sam's collection. Explain your answer.

_____

_____

_____

Rock Collections	
Name	Number of rocks
Eva	
Tim	
Sam	
	Key: each  = 10 rocks

NUMBERS TO TEN THOUSANDS

Write the number in standard form.

1. 2,000 + 600 + 30 + 5 _____

2. five thousand, three hundred sixty _____

3. 8,000 + 800 + 90 + 9 _____

4. one thousand, fifty-one _____

5. three thousand, six hundred nine _____

Write the value of the underlined digit two ways.

6. 5,<u>8</u>96

_____

7. 4,4<u>9</u>2

_____

8. <u>1</u>,350

_____

9. 3,<u>4</u>13

_____

10. Rename 4,180 as hundreds and tens.

_____hundreds_____tens

11. Rename 7,160 as tens and ones.

_____tens_____ones

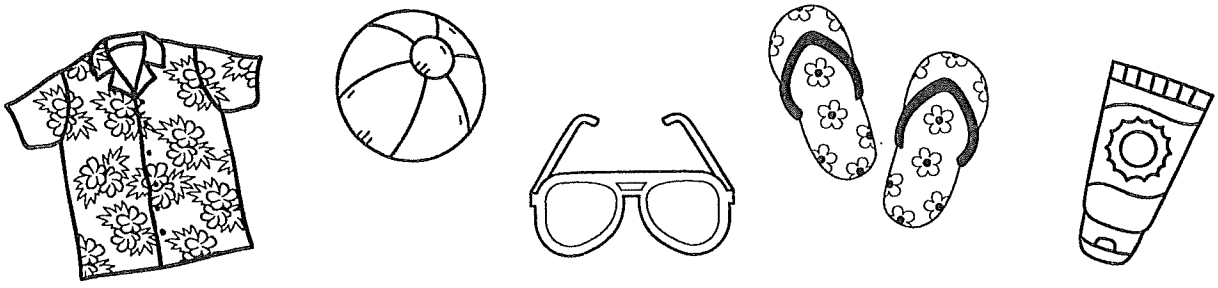
Problem Solving:

12. The population of a town is 4,951 people. What is the value of the digit 4 in the number?

_____

13. The number of tourists who visited a national park in one day was nine thousand, four hundred twelve. Write this number in two other ways.

_____

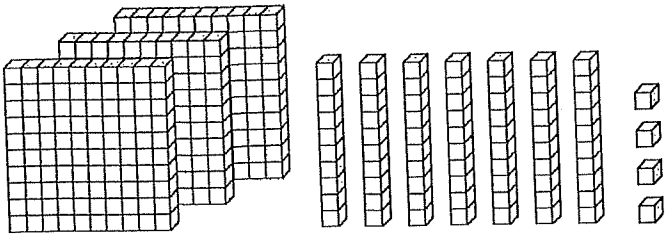


Name: _____

Daily Math Practice D 001

Math Buzz

Count the blocks.



Hundreds	Tens	Ones

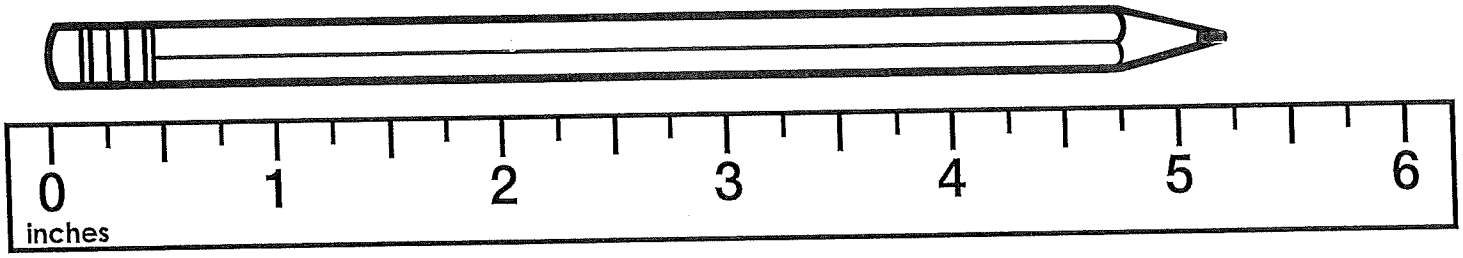
What number is shown? _____

Order the numbers from **least to greatest.**

842, 284, 428

_____ , _____ , _____

How long is Gianna's pencil?



5 inches **$5\frac{1}{4}$ inches** **$5\frac{1}{2}$ inches** **$5\frac{3}{4}$ inches**

Multiply.

8 x 5 = _____

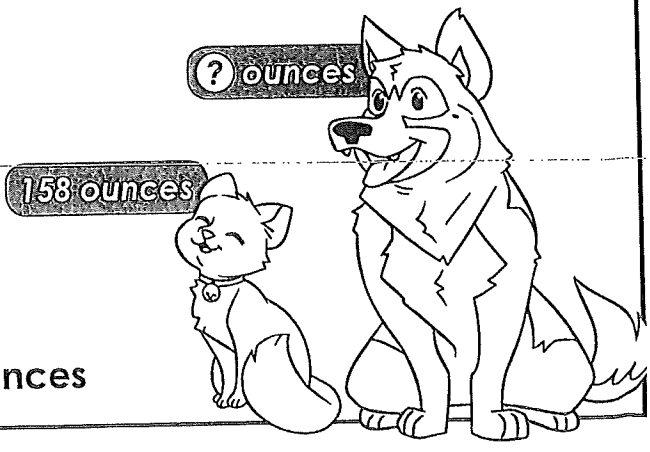
_____ = 1 x 9

3 x 10 = _____

_____ = 7 x 0

Elan took his cat and dog for a wellness visit at the pet clinic. His cat weighed 158 ounces and his dog weighed 482 ounces more than his cat. How much does Elan's dog weigh?

Show your work

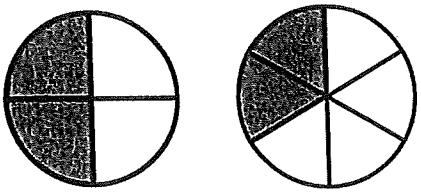


answer: _____ **ounces**

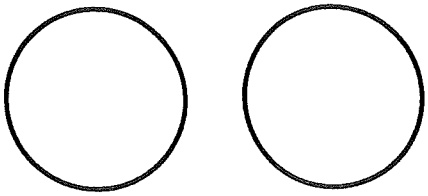
SAME NUMERATORS

Use <, >, or = to make the number sentences complete. Draw and color the fraction circles to help you as shown in the first problem.

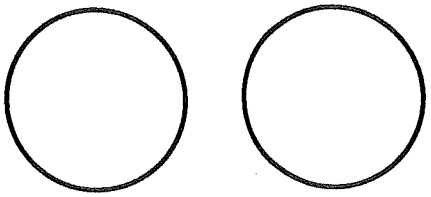
$\frac{2}{4}$ ◯ $\frac{2}{6}$



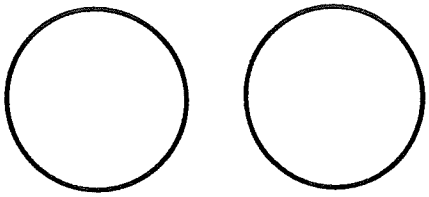
$\frac{1}{3}$ ◯ $\frac{1}{8}$



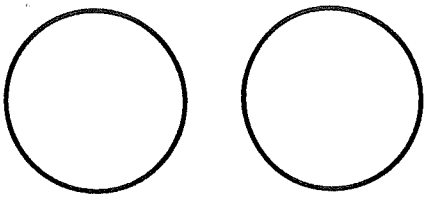
$\frac{3}{8}$ ◯ $\frac{3}{4}$



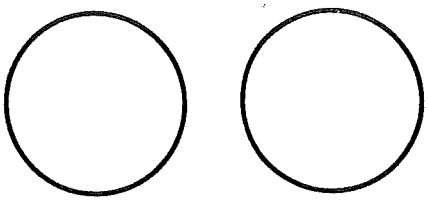
$\frac{4}{10}$ ◯ $\frac{4}{8}$



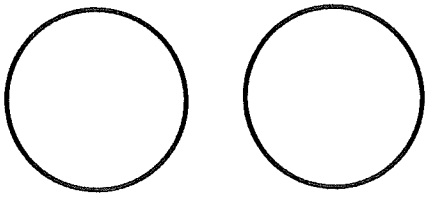
$\frac{2}{8}$ ◯ $\frac{2}{6}$



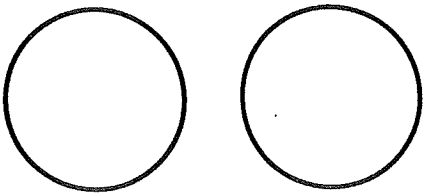
$\frac{1}{3}$ ◯ $\frac{1}{5}$



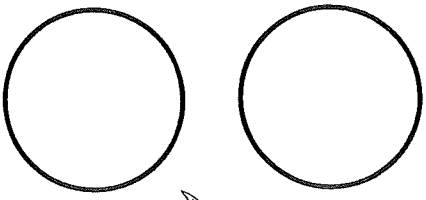
$\frac{2}{6}$ ◯ $\frac{2}{8}$



$\frac{4}{8}$ ◯ $\frac{4}{10}$



$\frac{1}{5}$ ◯ $\frac{1}{6}$



Name: _____

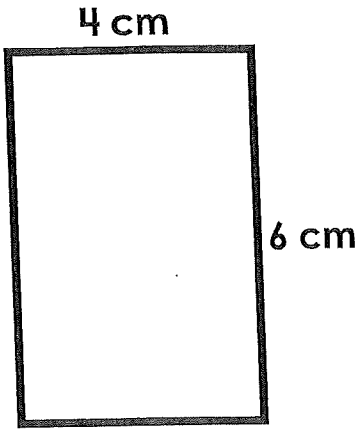
Daily Math Practice

D

005

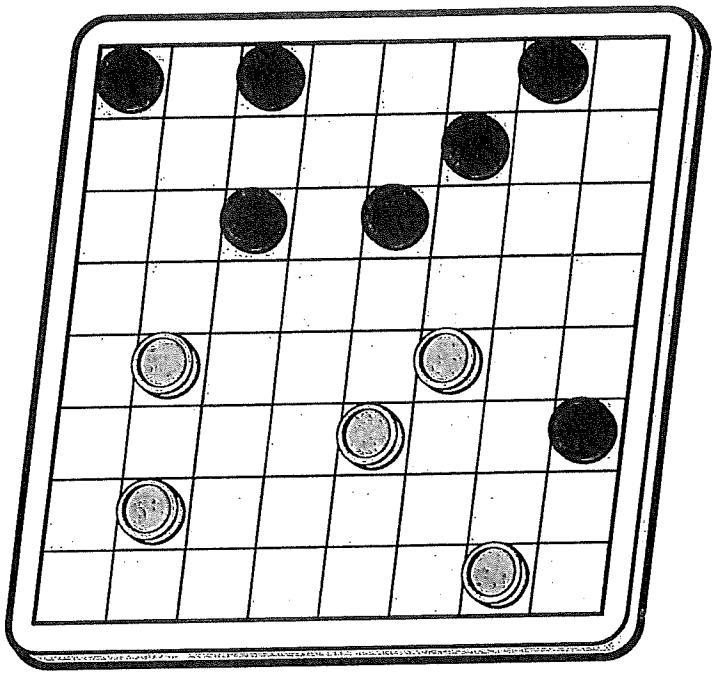
Math Buzz

Find the perimeter of the rectangle.



Perimeter = _____ **centimeters**

Olivia and Lorenzo are playing checkers. What fraction of the checkers are black?



_____ **of the checkers are black.**

Fill in the missing numbers.

$4 \times \square = 16$

$30 = 6 \times \square$

$\square \times 3 = 24$

Write the number in word and expanded form.

760

word: _____

expanded: _____

Compare each set of numbers using <, >, =.

245 _____ **194**

546 _____ **562**

679 _____ **960**

Comparing 3 and 4-Digit Numbers

Use <, >, or + to compare the numbers.

576 ◯ 567	245 ◯ 254	589 ◯ 5,890
490 ◯ 409	760 ◯ 1,760	9,304 ◯ 9,034
2,145 ◯ 2,245	6,310 ◯ 6,310	5,247 ◯ 5,247
8,691 ◯ 8,691	7,645 ◯ 7,546	1,953 ◯ 9,351
1,807 ◯ 807	9,876 ◯ 9;886	5,123 ◯ 5,321
3,485 ◯ 3,548	7,245 ◯ 7,245	5,612 ◯ 5,622

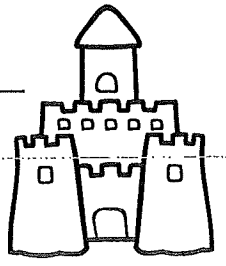
Problem Solving:

1.) On Saturday, 4,567 people saw the new animal movie. On Sunday, 4,078 people saw the movie. Use <, >, or = to compare the number of people who saw the movie on the two days.

_____

2.) Captain Fry flies 1,764 miles. Captain Hale flies 764 miles. Who flies more miles?

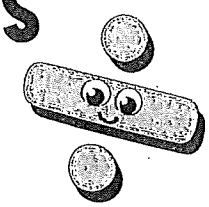
_____



3.) Adam says he is 1,352 millimeters tall. Bobby says that he is 1,452 millimeters tall. Who is shorter?

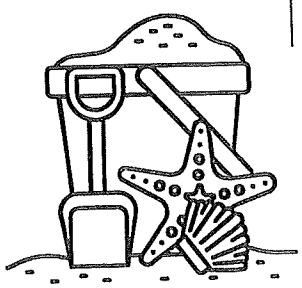
_____

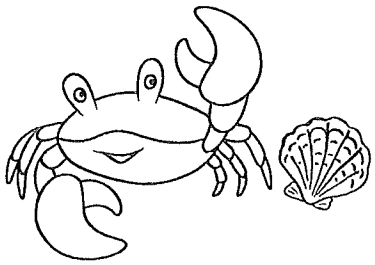
Comparing Numbers



Use <, >, or + to make the number sentence complete.

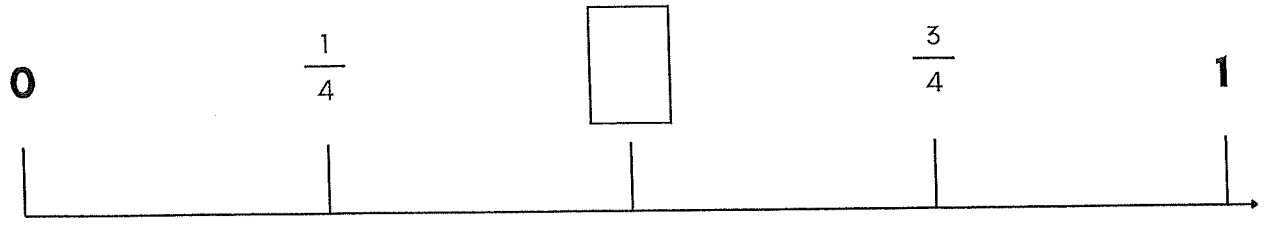
$12 \div 4 \bigcirc 12 \div 6$	$9 \div 3 \bigcirc 18 \div 3$	$16 \div 4 \bigcirc 24 \div 6$
$8 \div 2 \bigcirc 15 \div 5$	$12 \div 3 \bigcirc 6 \div 6$	$3 \div 3 \bigcirc 7 \div 7$
$7 \div 7 \bigcirc 18 \div 6$	$18 \div 3 \bigcirc 27 \div 9$	$48 \div 4 \bigcirc 21 \div 3$
$14 \div 2 \bigcirc 9 \div 3$	$20 \div 5 \bigcirc 25 \div 5$	$8 \div 2 \bigcirc 32 \div 4$
$18 \div 9 \bigcirc 10 \div 2$	$14 \div 7 \bigcirc 42 \div 6$	$72 \div 8 \bigcirc 16 \div 2$
$12 \div 4 \bigcirc 10 \div 5$	$15 \div 3 \bigcirc 54 \div 9$	$60 \div 5 \bigcirc 8 \div 4$
$6 \div 3 \bigcirc 3 \div 1$	$72 \div 9 \bigcirc 64 \div 8$	$21 \div 7 \bigcirc 12 \div 3$
$30 \div 6 \bigcirc 24 \div 6$	$36 \div 6 \bigcirc 12 \div 2$	$30 \div 10 \bigcirc 25 \div 5$

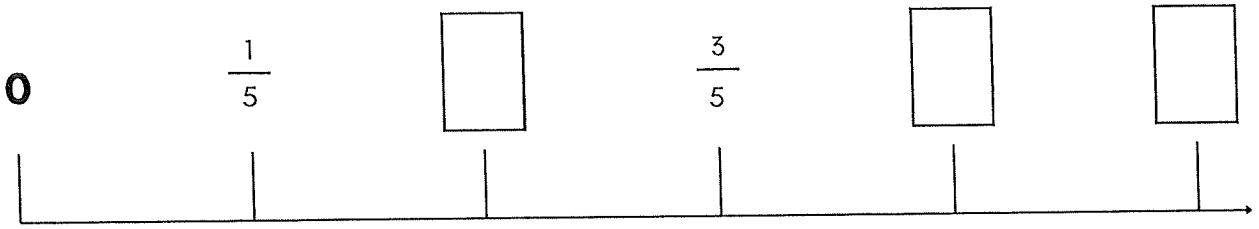


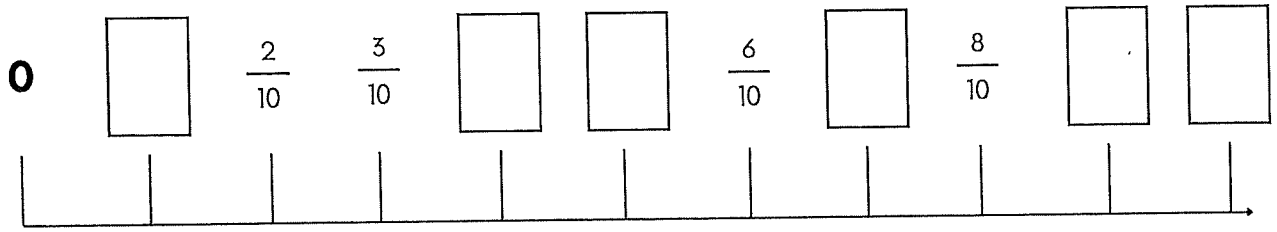


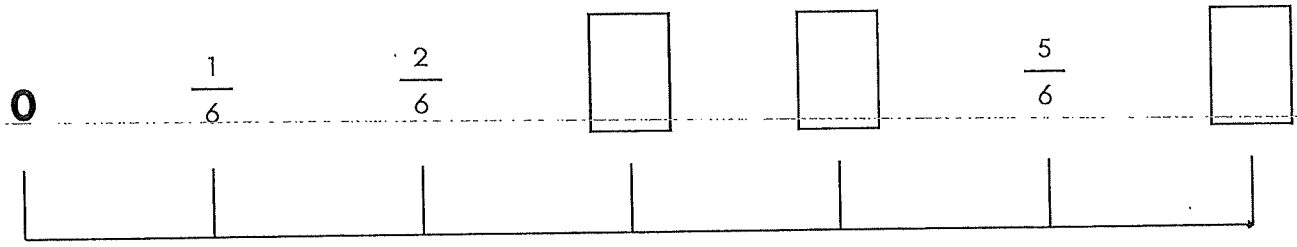
FRACTIONS ON THE NUMBER LINE

Complete the missing fractions.









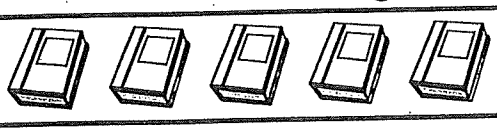
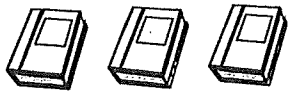
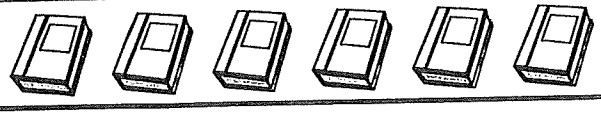
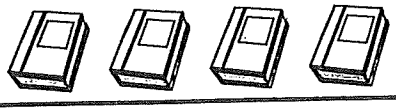
Name: _____

Daily Math Practice

D

003

Math Buzz

Summer Reading	
Arden	
Jayden	
Lincoln	
Sophia	

Each  = 2 books

Which student read 6 books?

answer: _____

How many more books did Lincoln read than Sophia?

answer: _____

How many books did the students read combined?

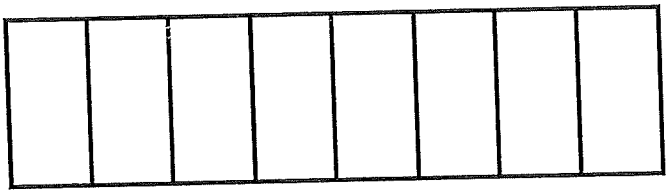
answer: _____

Order the numbers from **greatest to least.**

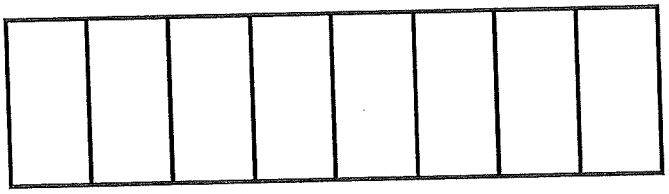
539 395 953

_____ _____ _____

Shade seven eighths.



Shade five eighths.



Write the number in standard and expanded form.

eight hundred thirteen

standard: _____

expanded: _____

Compare using >, <, =.

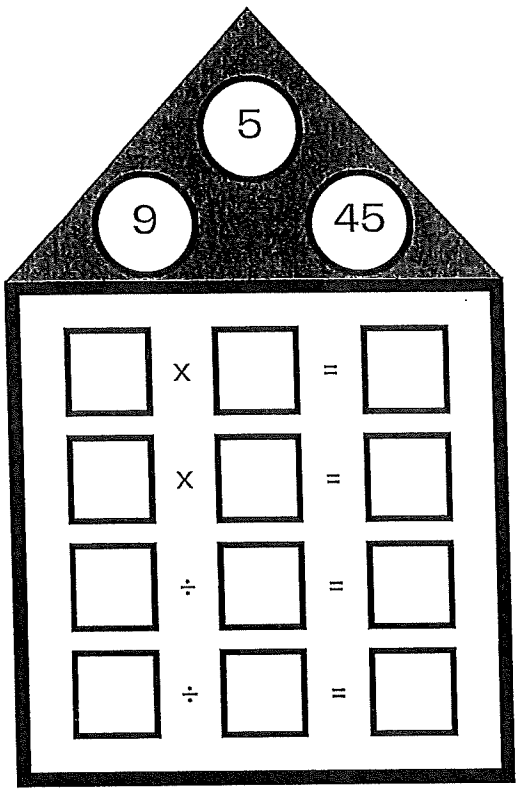
$\frac{7}{8}$ ____ $\frac{5}{8}$

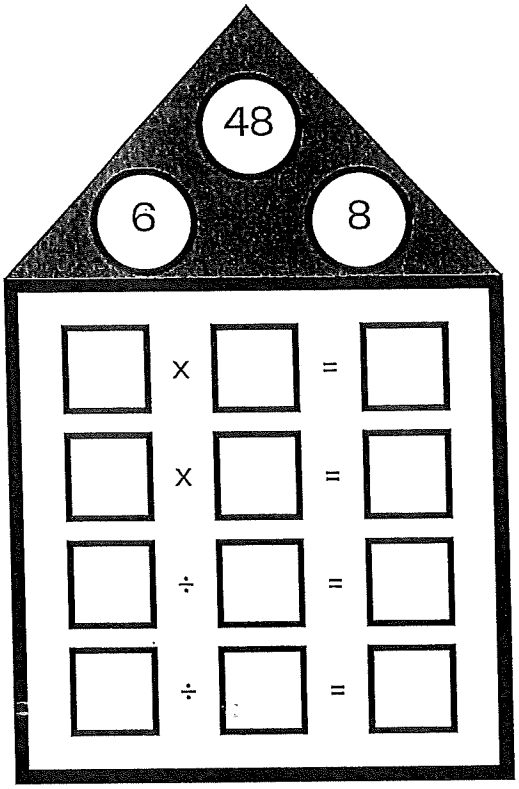
Multiply.

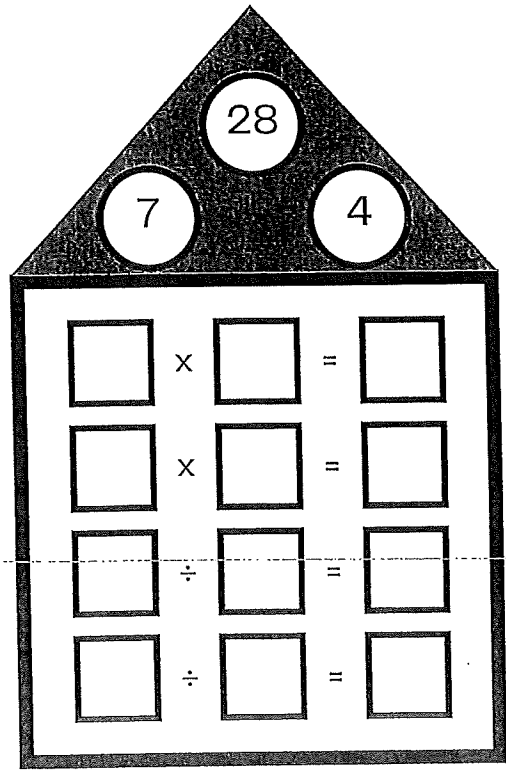
7 x 4 = _____ _____ = 9 x 9 8 x 6 = _____

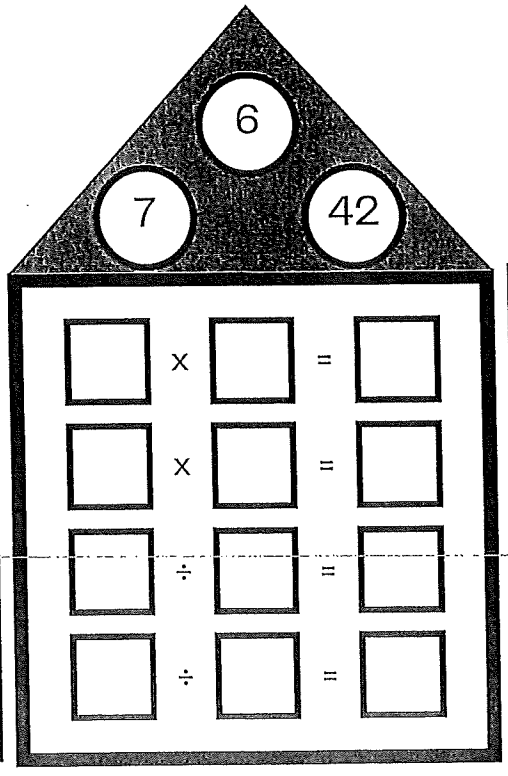
FACT FAMILIES

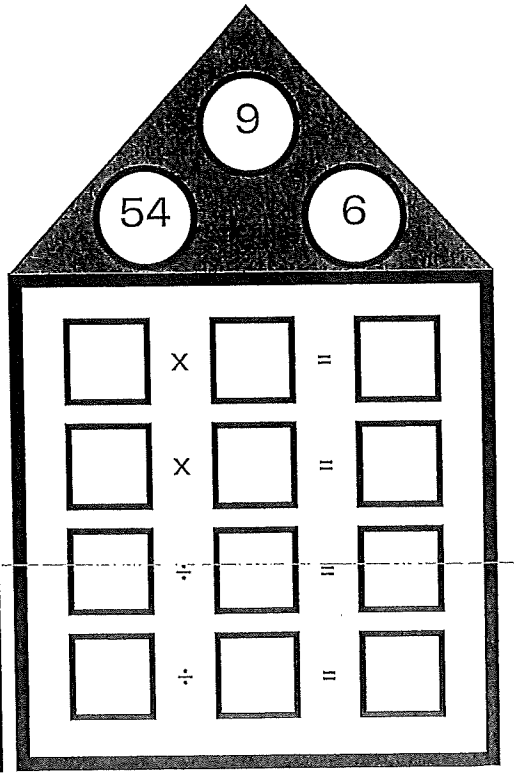
Write the two multiplication and two division sentences for each group of numbers.











Three Digit Addition

Write the answers for the following addition problems.

215 + 418 =	415 + 604 =	328 + 110 =	864 + 128 =	309 + 298 =
297 + 160 =	249 + 539 =	910 + 107 =	371 + 205 =	285 + 620 =
139 + 950 =	348 + 932 =	529 + 502 =	193 + 294 =	843 + 103 =
710 + 164 =	503 + 204 =	639 + 106 =	490 + 103 =	492 + 203 =

Numbers to Ten Thousand

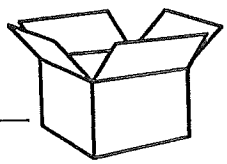
Complete the packing chart. Use the fewest packages possible. When there is a zero, use the next smaller size package.

Number of blocks ordered	**Crates** (Ten Thousands)	**Boxes** (Thousands)	**Cases** (Hundreds)	**Stacks** (Tens)	**Single Blocks** (Ones)
1,492	**0**	**1**	**4**	**9**	**2**
3,016				1	
2,804					
4,675					
1,727	0	0		2	7
2,351		0		0	
5,008		0		0	
4,976		0		0	

Problem Solving:

A worker at the block factory packed blocks in 3 boxes of 1,000, 4 cases of 100, and 9 single blocks. How many blocks did the worker pack?

_____



Matt needs to pack an order for 1,816 blocks. How can Matt pack the blocks without using boxes of 1,000?

_____

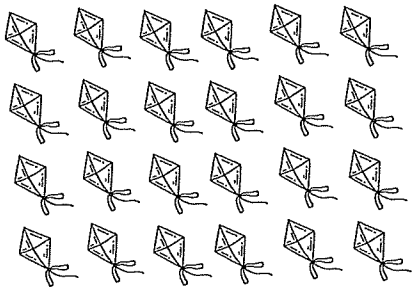
_____

_____

MULTIPLICATION ARRAYS

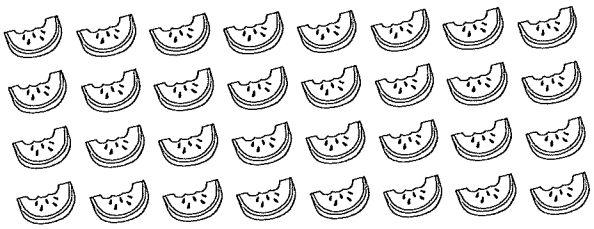
Count the rows and columns in each array and complete the multiplication sentence. Write two multiplication equations that represent each array.

_____rows of _____ is _____



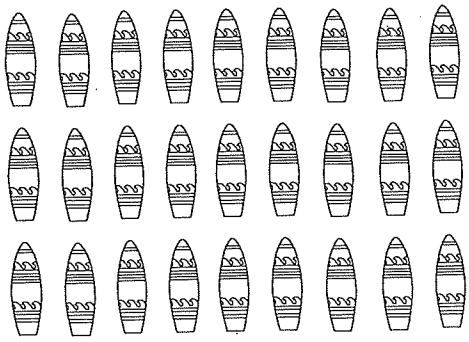
____ x ____ = ____ ____ x ____ = ____

_____rows of _____ is _____



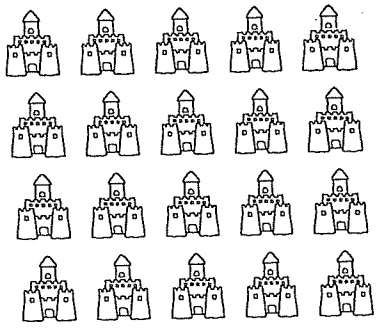
____ x ____ = ____ ____ x ____ = ____

_____rows of _____ is _____



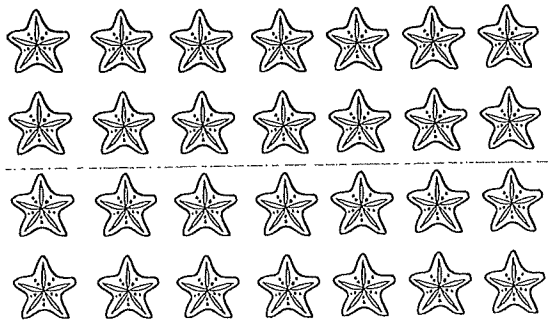
____ x ____ = ____ ____ x ____ = ____

_____rows of _____ is _____



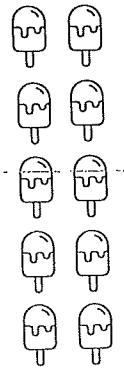
____ x ____ = ____ ____ x ____ = ____

_____rows of _____ is _____



____ x ____ = ____ ____ x ____ = ____

_____rows of _____ is _____



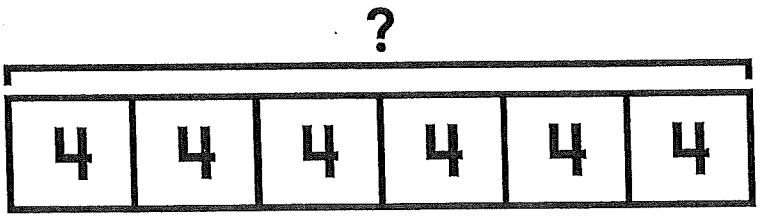
____ x ____ = ____ ____ x ____ = ____

Name: _____

Daily Math Practice D 004

Math Buzz

Mrs. Randall divided her class into six equal groups for a science activity. If there were four students in each group, how many total students were in Mrs. Randall's class?



_____ x _____ = _____

answer: _____ **students**

Subtract. *Show your work*

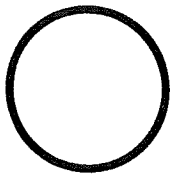
Find the difference between 603 and 348.

_____

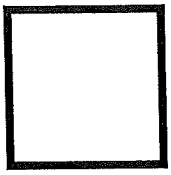
974 – 596 = _____

721
– 485

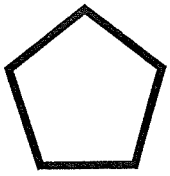
How many **sides** does each shape have?



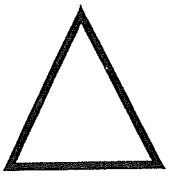
_____ **sides**



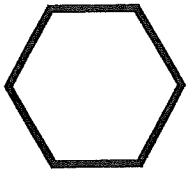
_____ **sides**



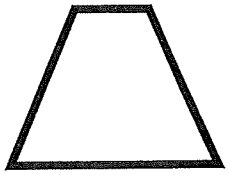
_____ **sides**



_____ **sides**



_____ **sides**



_____ **sides**

Write the number in word and expanded form.

235

word: _____

expanded: _____

Multiply.

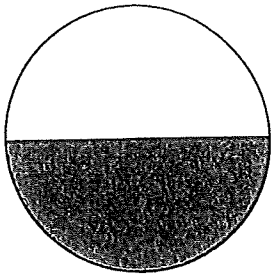
3 x 50 = _____

_____ = 20 x 9

5 x 40 = _____

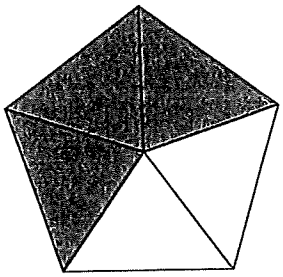
Math Fractions

Write the number of equal parts in the whole. Then write the fraction for the shaded part.



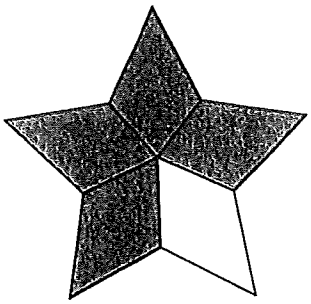
_____ equal parts

_____



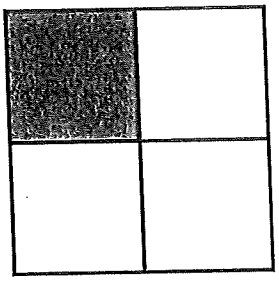
_____ equal parts

_____



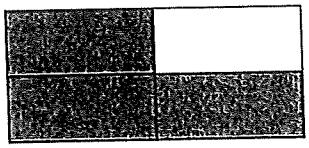
_____ equal parts

_____



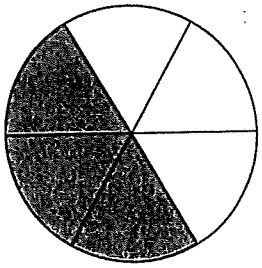
_____ equal parts

_____



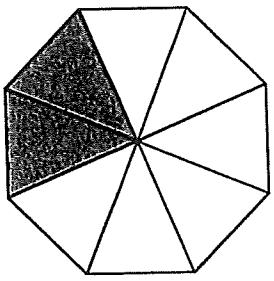
_____ equal parts

_____



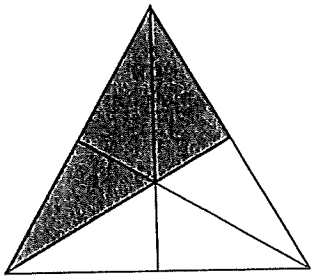
_____ equal parts

_____



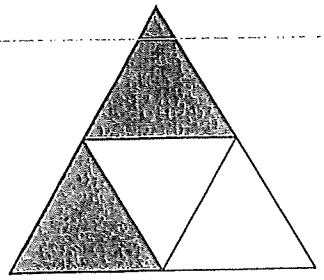
_____ equal parts

_____



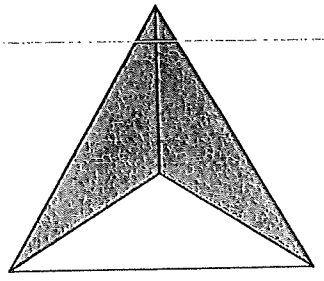
_____ equal parts

_____



_____ equal parts

_____



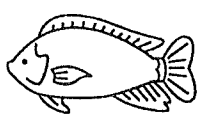
_____ equal parts

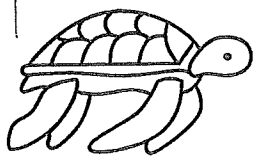
_____

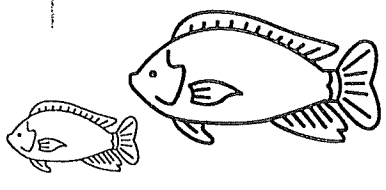
Comparing Numbers

Use <, >, or + to make the number sentence complete.

7x5 ◯ 8x6	9x3 ◯ 4x7	9x5 ◯ 7x7
8x2 ◯ 5x5	2x9 ◯ 4x6	8x4 ◯ 3x6
7x7 ◯ 8x5	3x8 ◯ 7x4	7x2 ◯ 5x7
2x7 ◯ 1x7	4x4 ◯ 8x1	7x5 ◯ 2x3
8x9 ◯ 10x7	4x2 ◯ 6x8	8x8 ◯ 4x5
2x8 ◯ 7x7	5x8 ◯ 7x6	6x5 ◯ 7x6
8x3 ◯ 3x1	7x3 ◯ 9x2	7x3 ◯ 9x3
10x11 ◯ 12x9	6x7 ◯ 3x9	6x6 ◯ 11x12







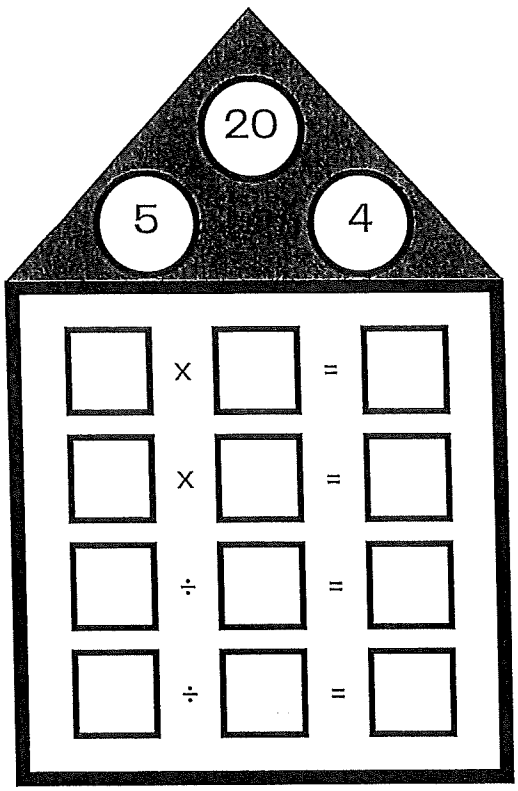
Three Digit Subtraction

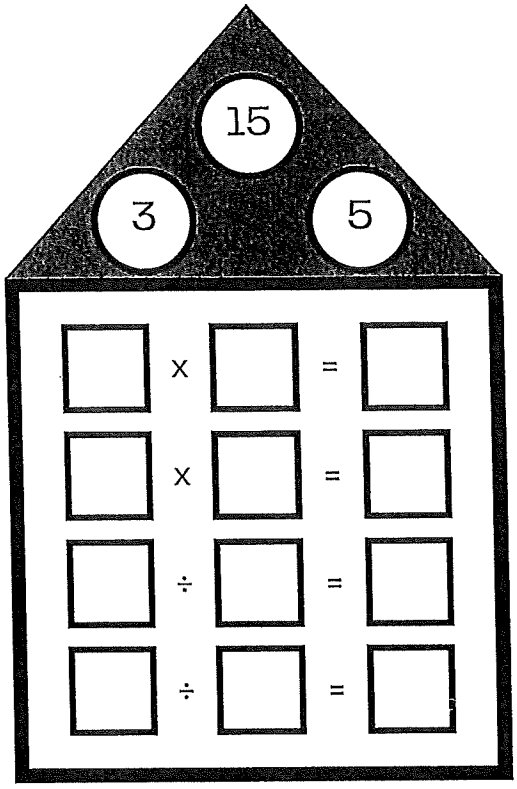
Write the answers for the following subtraction problems.

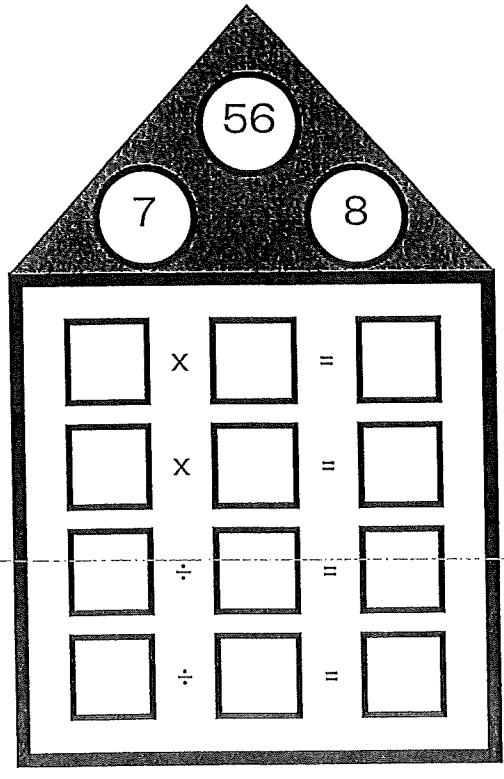
452 - 218	684 - 324	318 - 101	654 - 221	359 - 208
497 - 150	769 - 519	835 - 127	981 - 305	680 - 622
932 - 650	375 - 132	629 - 203	493 - 225	802 - 383
820 - 464	583 - 314	678 - 156	456 - 111	758 - 223

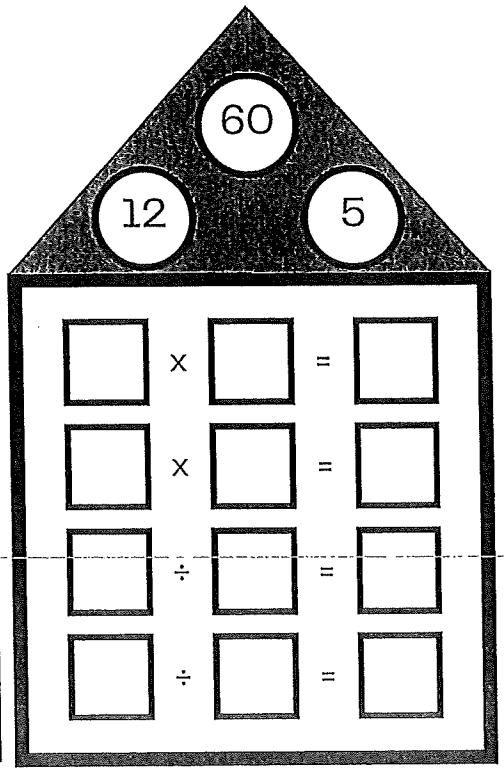
FACT FAMILIES

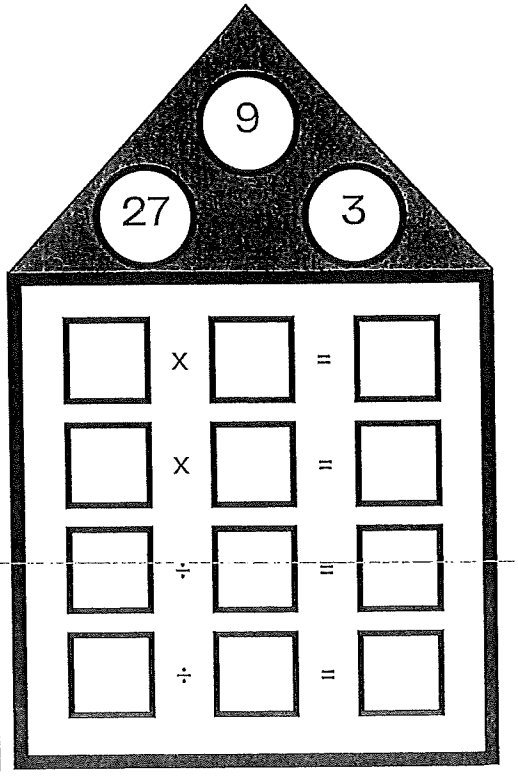
Write the two multiplication and two division sentences for each group of numbers.







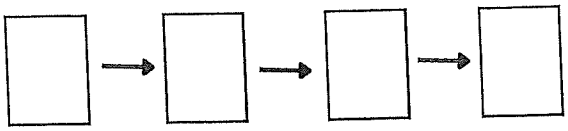




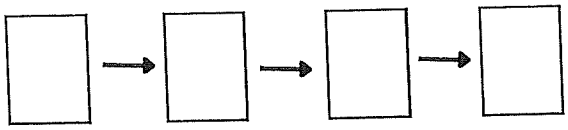
ORDERING FRACTIONS

Arrange the set of fractions. Write them in the boxes from least to greatest.

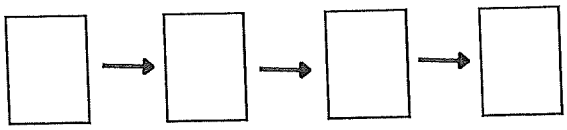
$\frac{2}{5}$ $\frac{1}{5}$ $\frac{4}{5}$ $\frac{3}{5}$



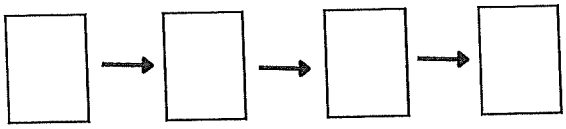
$\frac{6}{8}$ $\frac{4}{8}$ $\frac{7}{8}$ $\frac{1}{8}$



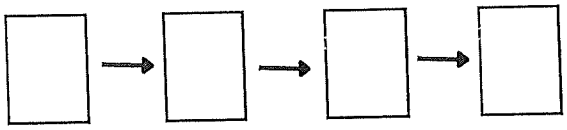
$\frac{4}{6}$ $\frac{1}{6}$ $\frac{2}{6}$ $\frac{5}{6}$



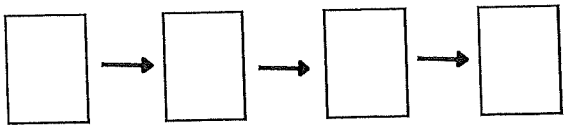
$\frac{5}{9}$ $\frac{3}{9}$ $\frac{7}{9}$ $\frac{8}{9}$



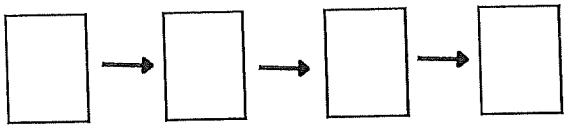
$\frac{3}{10}$ $\frac{5}{10}$ $\frac{8}{10}$ $\frac{1}{10}$



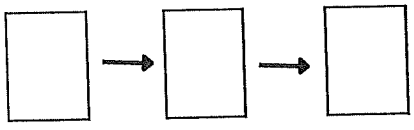
$\frac{1}{4}$ $\frac{2}{4}$ $\frac{4}{4}$ $\frac{3}{4}$



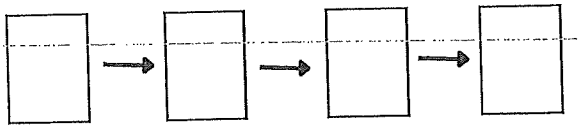
$\frac{1}{7}$ $\frac{5}{7}$ $\frac{6}{7}$ $\frac{3}{7}$



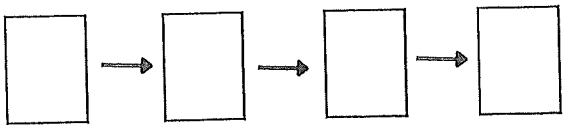
$\frac{3}{3}$ $\frac{1}{3}$ $\frac{2}{3}$



$\frac{7}{9}$ $\frac{3}{9}$ $\frac{8}{9}$ $\frac{2}{9}$



$\frac{4}{8}$ $\frac{2}{8}$ $\frac{3}{8}$ $\frac{8}{8}$



Checkstroke Joinings

Trace and write the joinings and words.

os Gospel

br bright

ve Advent

wo world

on honor

ba baptize

Write the sentences.

Jesus, the Son of God, is our Savior.

He died on the cross for our sins.

CHECK-UP

My Joinings

- ❑ Excellent
- ❑ Need Improvement

Lowercase Letter Review

Write each word two times.

forgive	blessed	prayers	vocation

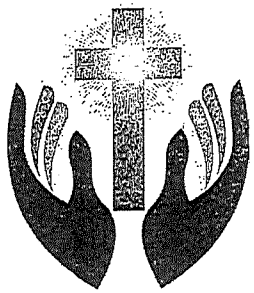
Write the sentences.

I like to write in cursive.

I

I can write all the lowercase letters.

I



Write all the lowercase cursive letters.

CHECK-UP

- ❑ Word Spacing
- ❑ Size of Letters
- ❑ Letter Forms
- ❑ Line Quality
- ❑ Letter Spacing
- ❑ Slant of Writing

dream dream dream

dream dream dream

love love love love

love love love love

hope hope hope hope

hope hope hope hope

amazing amazing amazing

amazing amazing amazing

fearless fearless fearless

fearless fearless fearless

confident confident confident

confident confident confident

God, Our Father and Creator

Write the sentences.

God the Father is our Creator. He is the first person in the Holy Trinity.

Write the sentences in cursive.

God created us out of love. He loves everyone and everything in the world. We should love and respect all people the way that God does.

CHECK-UP

- ☐ Slant of Writing
- ☐ Letter Spacing
- ☐ Line Quality

Be amazing today!

Be amazing today!

Reach for the stars!

Reach for the stars!