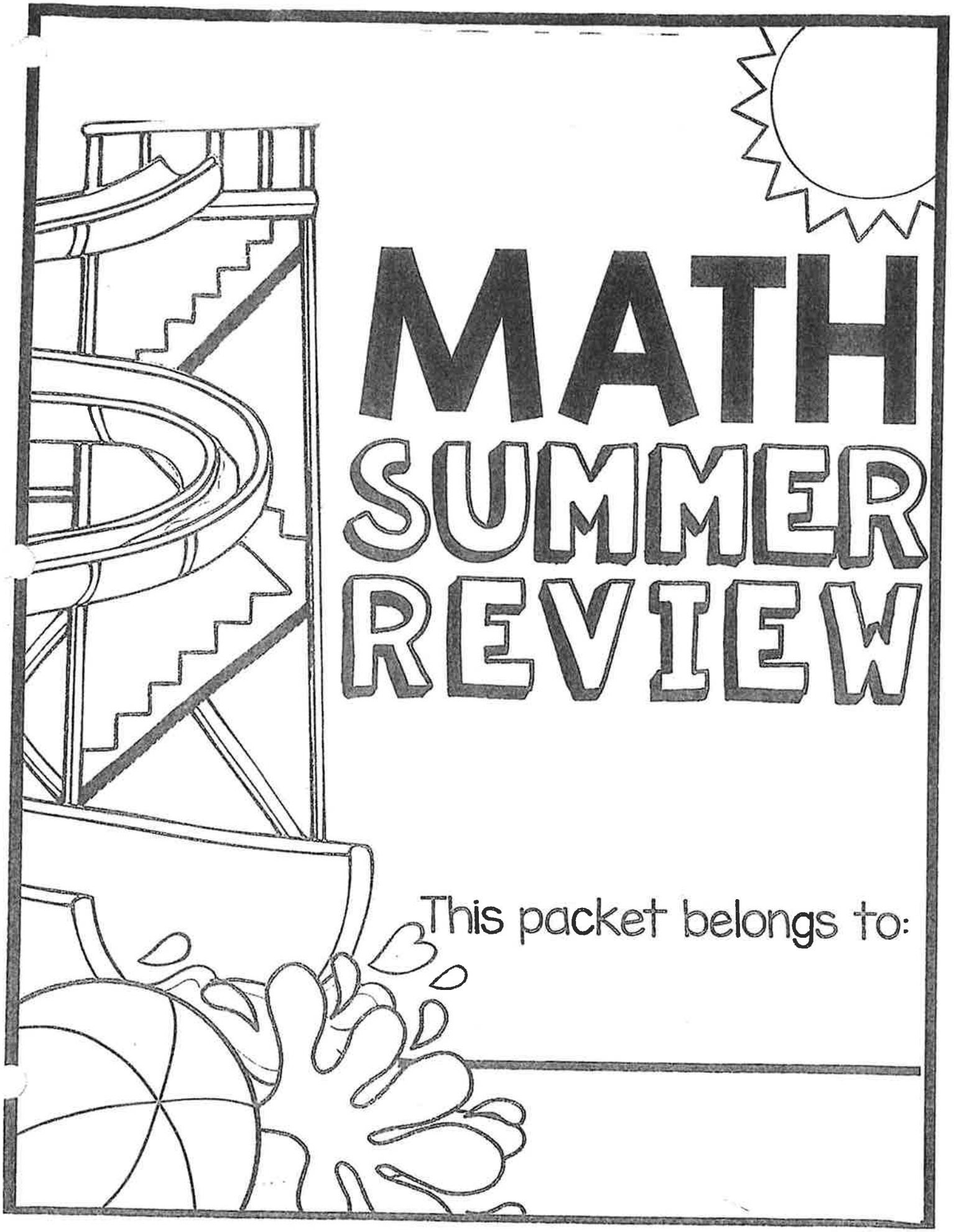


MATH SUMMER REVIEW

This packet belongs to:

Gould School
4th Grade Summer Math Review



Welcome to 4th grade math! This summer review packet will have you practice everything you learned in 3rd grade math.

Please read carefully and make sure you answer all of the questions by showing your work (even if it is multiple-choice) in a neat, organized way.

The work contained in the math review highlights concepts and other skills that you should be well versed in before entering 4th grade in September.

You should have mastered your multiplication and division facts (0-12). They are a very important part of our curriculum. PRACTICE, PRACTICE, PRACTICE these facts!

Also, can you match which vocabulary word goes with what operation? You should be able to!

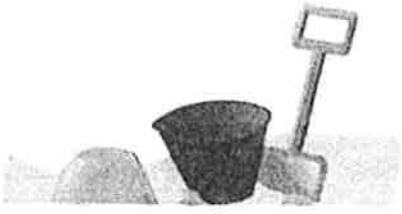
Answer	**Operation**
Quotient	addition
Difference	multiplication
Sum	division
Product	subtraction



You should have joined our 4th Grade Summer Google Classroom. Here you will find the digital version of all your summer assignments.

All students will be required to submit their Math Summer Review Packet on the first day of math class.

See you in September! Have a safe and fun summer!



June

Week 1

1) Subtract 168 from 360.

2) Subtract 92 from 999.

3) Subtract 561 from 806.

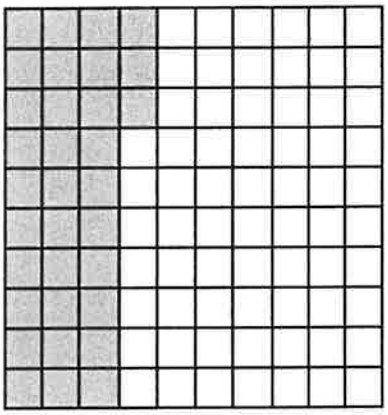
What number goes in the ☐ to make the statement true?

1) $8 \times \square = 56$

2) $\square \times 100 = 500$

3) $9 \times 6 = \square$

Write the fraction for the model.



Stickers are sold in different quantities. The table below shows the number and types of stickers.

Kind of Stickers	*Number per pack*
Dinosaur	8
Sport	12
Animal	6

Jessica bought 8 packs of Sport stickers, how many stickers does she have?

A factory packs pencils into cartons of 100 and into boxes of 10. They have an order for 2,750 pencils. How can they ship the order to the customer in the fewest amount of packages?

A. 275 boxes of 10

B. 27 cartons of 100, 5 boxes of 10

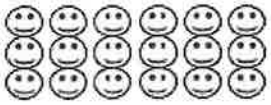
C. 270 cartons of 100, and 5 boxes of 10

D. 27 cartons of 100 , 50 boxes of 10

July
Week 2

A berry farm was separated into three sections. The first had 125 strawberries, the second had 371 blueberries, and the last section had 209 raspberries. How many berries were there in all?

How many groups of six can you make with the 18 shapes below?



Write the multiplication equation that goes along.

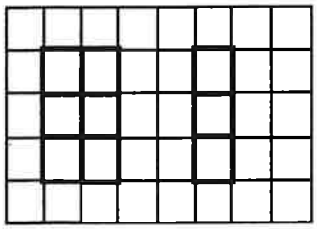
_____

Determine whether the statements are <, >, *or* =

1) $\frac{5}{10}$ ___ $\frac{1}{2}$

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

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



Find the area and perimeter of each rectangle.

Julie has three pieces of ribbon. The length of the longest piece of ribbon is $\frac{3}{4}$ foot. The length of the shortest piece is $\frac{1}{4}$ foot. What might be the length of the third piece of ribbon?

_____

Week 3

Round the numbers to the nearest ten.

361 _____

845 _____

48 _____

Round the numbers to the nearest hundred.

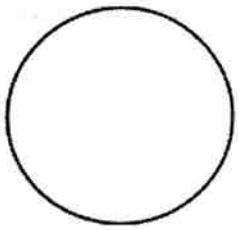
1256 _____

6804 _____

3732 _____

While playing at the carnival, Sheila won 8 tickets playing "ring toss" and 4 tickets playing "balloon pop". If she was trying to buy a toy that costs 4 tickets a piece, how many could she buy?

Split the shape into six equal parts. Label each fraction part.



Which of the following items would best be measured in pounds?

A. Paper clip

B. Soccer ball

C. Cell phone

D. A bag of potatoes

When Olivia got home from school, she read her book club novel for 50 minutes. Then, she worked on her Physical Science project for 35 minutes. If Olivia finished everything at 4:55, what time did she get home from school?

_____

_____

_____

Week 4

Which property of multiplication is shown?

$9 \times (8 \times 2) = (9 \times 8) \times 2$

a. Identity

b. Distributive

c. Associative

d. Commutative

Fill in the missing facts for the fact families:

$20 \div 5 = 4$ $54 \div 9 = 6$

$4 \times 5 = 20$ $9 \times 6 = 54$

$5 \times 4 = 20$ _____

_____ _____

Explain why $\frac{4}{4}$ is equal to 1.

Write another fraction equal to 1. Draw to justify your answer then explain.

_____

_____

_____

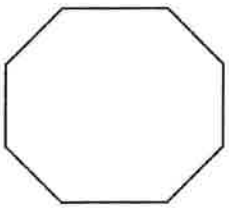
_____

Tell the time to the nearest minute.



_____ : _____

If the perimeter of an octagon is 72 feet, what is the length of each side?



Each side is _____ feet.

Week 5

Estimate to the nearest hundred, then solve.

327
+ 290 Estimate:_____

594
+ 301 Estimate:_____

424
+ 684 Estimate:_____

Rewrite and solve these problems using the Distributive Property.

Ex.: 3 x 8 = (3 x 6) + (3 x 2) = 24

1) 6 x 7 = _____ = _____

2) 9 x 6 = _____ = _____

3) 6 x 8 = _____ = _____

4) 5 x 7 = _____ = _____

Write the equivalent fraction.

1) $\frac{4}{4} = \frac{2}{?}$

2) $\frac{12}{6} = \frac{?}{2}$

3) $\frac{9}{3} = \frac{?}{1}$

4) $\frac{12}{4} = \frac{?}{2}$

Start Time: 10:08 End Time: 10: 40



What is the elapsed time?_____

What's the Error?

Bryan used the break apart strategy to find 146 + 403. Describe his error. What would the correct sum be?

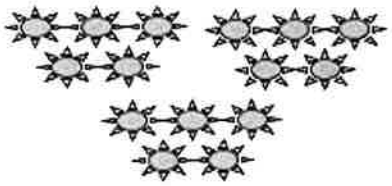
100 + 40 + 6
\+ 400 + 30 + 0
500 + 70 + 6 = 576

August

Week 6

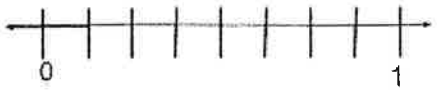
While shopping at the mall, Olivia spent 246 bucks on a new camera, $888 on a new phone and 525 dollars on a new TV. How much money did she spend total?

Write a division equation for the picture and solve.



Label the following on the the number line

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



Tommy needs a container that can hold one liter of water. Which container holds a liter of water?

A. A glass of water B. A mug

C. A pitcher D. A bathtub

Eduardo has a piece of pie that is $\frac{1}{6}$ of a pie. Derek has a piece of pie that is $\frac{1}{2}$ of a pie. Derek's piece is smaller than Eduardo's piece. *Explain* how this could happen. Draw a picture to show your answer.

Week 7

A Girl Scouts troop has 350 boxes of cookies to sell. They sell 154 boxes on Saturday and 92 boxes on Tuesday. How many boxes of cookies do they have left to sell?

_____

_____

Complete the following problems:

a. 24 ÷6 = _____

b. 54 ÷9 = _____

c. 8 x 8 = _____

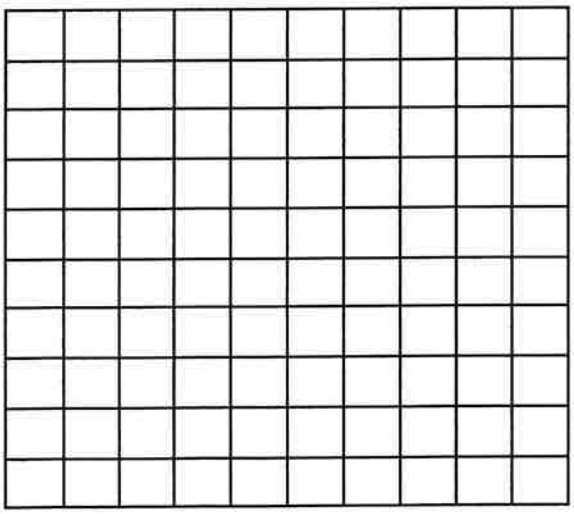
d. 6 x 7 = _____

What is $\frac{1}{4}$ of 12?

What is $\frac{1}{2}$ of 16?

What is $\frac{1}{6}$ of 18?

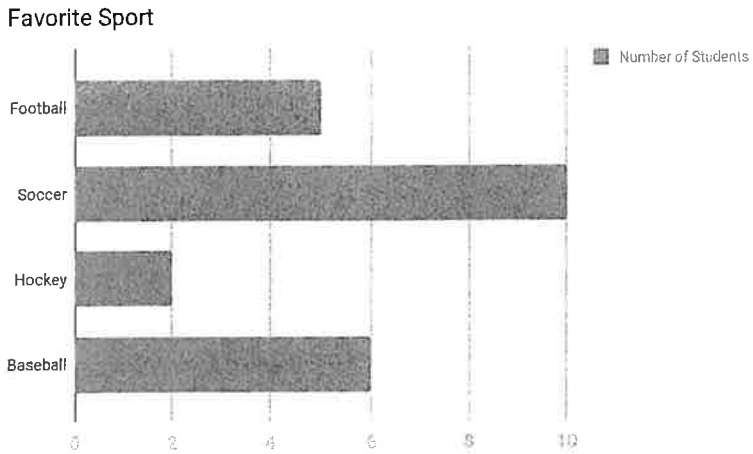
Draw a rectangle with a perimeter of 22 and an area of 24.



The sides of the rectangle measure

_____units and _____units.

Answer the following questions.



How many more students chose Football and Hockey over Baseball?

_____

How many students chose Baseball and Soccer?

_____

Week 8

Estimate the differences using compatible numbers then solve.

521
- 301 Estimate:_____

604
- 309 Estimate:_____

724
- 230 Estimate:_____

1) (2 x 3) x 2 =

2) 3 x (4 x 2) =

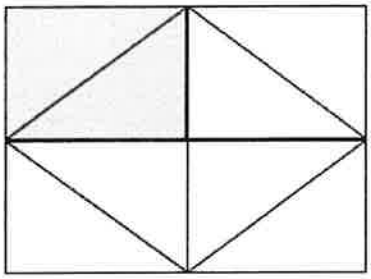
3) (2 x 5) x 8 =

4) (3 x 1) x 6 =

5) 2 x (4 x 1) =

6) (3 x 3) x 7 =

What is the fraction of the shaded region?



Draw the following shapes.

A ray	
A line	
A line segment	
A hexagon	
A pentagon	
A quadrilateral	

Which of the following TWO statements can be expressed by 4 x 12?

☐ There are 12 seats in 4 rows

☐ There are 4 pencils and 12 pens

☐ Jason shares 12 slices of pizza evenly among 4 friends.

☐ There are 4 dogs in the park. Then 12 more dogs join them.

☐ Mary bought 12 pizzas. Each cost $4.

Fluency Practice

Addition and Subtraction

Add.

a. 154 + 415	b. 312 + 98	c. 478 + 631	d. 984 + 37	e. 884 + 652
f. 160 + 264	g. 879 + 65	h. 800 + 123	i. 258 + 357	j. 852 + 753
k. 159 + 258	l. 410 + 510	m. 398 + 178	n. 256 + 452	o. 985 + 785
p. 624 + 426	q. 369 + 652	r. 771 + 232	s. 195 + 78	t. 649 + 190

Subtract.

a. 884 - 652	b. 1000 - 419	c. 502 - 121	d 516 - 212	e. 489 - 144
f. 23 - 19	g. 76 - 32	h. 238 - 52	i. 400 - 50	j. 488 - 19
k. 604 −372	l. 966 - 754	m. 751 - 652	n. 960 - 652	o. 385 - 74
p. 430 - 46	q. 210 - 63	r. 400 - 162	s. 809 - 282	t. 91 - 46

Fluency Practice

Multiplication and Division

Multiply.

a. 20 x 6	b. 0 x 9	c. 8 x 4	d. 30 x 7	e. 3 x 12
f. 8 x 9	g. 5 x 7	h. 70 x 6	i. 11 x 2	j. 5 x 1
k. 10 x 10	l. 9 x 3	m. 8 x 8	n. 40 x 4	o. 6 x 6
p. 50 x 2	q. 9 x 9	r. 3 x 6	s. 70 x 0	t. 8 x 2

Divide.

a. 56÷7 =	b. 48÷8 =	c. 0÷7 =	d 81÷9 =	e. 48÷___ = 12
f. 8 ÷2 =	g. 64÷8 =	h. 96÷12 =	i. 22÷11 =	j. 77÷___ = 7
k. 49÷7 =	l. 15÷3 =	m. 18÷9 =	n. 42÷7 =	o. 24÷___ = 8
p. 35÷7 =	q. 54÷6 =	r. 18÷6 =	s. 80 ÷8 =	t. 24÷___ = 6