Dear Students and Parents,

Attached you will find the summer work for math class. This work is expected to be completed and turned in on the first full day of school, Wednesday, August 13th.

The purpose of this packet is to help retain important skills from the previous school year and keep their minds sharp throughout the summer months. A little practice over time can make a huge difference when school begins again in August.

Students do not need to complete the entire packet all at once. In fact, I encourage them to spread the work out over the summer. Completing just one assignment each week is a great way to stay fresh without feeling overwhelmed.

Please encourage your child to show all work and try their best on each assignment. The goal is growth, review, and preparation for a successful school year ahead.

If you have any questions at any point during the summer, please feel free to contact me at sdubberley@trinitywildcats.com.

Have a wonderful summer, and I look forward to seeing everyone in August!

Mrs. Dubberley

Name: _____

SUMMER MATH PACKET

For Students Entering 6th Grade

WEEK 1

1. Whole Number Operations

Solve each problem.

a) 3,456 + 2,789 = _____

b) 7,305 − 4,218 = _____

c) 6,742 × 6 = _____

d) 8,136 ÷ 8 = _____

2. Decimals

Solve each problem.

a) 4.8 + 7.65 = _____

b) 12.9 − 3.47 = _____

3. Order of Operations

Evaluate each expression.

a) 6 + 3 × (12 − 4) = _____

b) 72 ÷ 9 + 5 × 3 = _____

4. Word Problem

A backpack that originally cost $48.75 is on sale for 15% off.

What is the sale price of the backpack?

Show your work.

5. Fractions

Find each sum or difference. Simplify your answer.

a) $\frac{3}{4} + \frac{2}{5}$ = _____

b) $\frac{7}{8} - \frac{1}{4}$ = _____

WEEK 2

1. Whole Number Operations

Solve each problem.

a) 6,385 + 4,297 = _____

b) 9,006 − 2,894 = _____

c) 36 × 28 = _____

d) 7,144 ÷ 8 = _____

2. Order of Operations

Evaluate each expression.

a) 8 + 6 × (9 − 2) = _____

b) 64 ÷ 8 + 4 × 6 = _____

3. Fractions

Find each sum or difference. Simplify your answer.

a) $\frac{5}{6} + \frac{1}{3}$ = _____

b) $\frac{3}{5} - \frac{2}{5}$ = _____

4. Decimals

Solve each problem.

a) 6.75 + 8.3 = _____

b) 15.6 − 7.28 = _____

5. Word Problem

A water park sold 1,250 tickets on Saturday and 1,487 tickets on Sunday.

How many more tickets were sold on Sunday than on Saturday?

Show your work.

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Name: _____

WEEK 3

1. Whole Number Operations

Solve each problem.

a) 4,927 + 3,618 = _____

b) 8,905 − 3,276 = _____

c) 24 × 37 = _____

d) 8,640 ÷ 12 = _____

2. Order of Operations

Evaluate each expression.

a) 7 + 5 × (13 − 4) = _____

b) 81 ÷ 9 + 3 × 7 = _____

3. Fractions

Find each sum or difference.
Simplify your answer.

a) $\frac{2}{3} + \frac{3}{4}$ = _____

b) $\frac{7}{10} - \frac{1}{5}$ = _____

4. Decimals

Solve each problem.

a) 9.48 + 6.52 = _____

b) 20.5 − 8.76 = _____

5. Word Problem

A surf shop sold 215 surfboards in June and 178 surfboards in July.

How many more surfboards were sold in June than in July?

Show your work.

Name: _____

WEEK 4

1. Whole Number Operations

Solve each problem.

a) 7,654 + 2,389 = _____

b) 9,876 − 4,521 = _____

c) 48 × 25 = _____

d) 9,216 ÷ 16 = _____

2. Order of Operations

Evaluate each expression.

a) 9 + 4 × (15 − 6) = _____

b) 100 ÷ 5 + 2 × 8 = _____

3. Fractions

Find each sum or difference.
Simplify your answer.

a) $\frac{4}{5} + \frac{1}{2}$ = _____

b) $\frac{3}{4} - \frac{2}{8}$ = _____

4. Decimals

Solve each problem.

a) 12.34 + 7.89 = _____

b) 25.6 − 13.27 = _____

5. Word Problem

A ticket to the zoo costs $18.75 for adults and $12.50 for children.

If 3 adults and 4 children go to the zoo, how much will it cost?

Show your work.

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Name: _____

WEEK 5

1. Multiplication Facts

Quick recall of times tables through 12.
Fill in the blanks.

a) 7 × 8 = _____
b) 9 × 6 = _____
c) 12 × 5 = _____
d) 8 × 7 = _____
e) 6 × 9 = _____
f) 11 × 4 = _____
g) 3 × 12 = _____
h) 10 × 7 = _____
i) 5 × 11 = _____
j) 12 × 9 = _____
k) 4 × 12 = _____
l) 2 × 11 = _____

2. Division Facts

Quick recall of times tables through 12.
Fill in the blanks.

a) 56 ÷ 7 = _____
b) 72 ÷ 9 = _____
c) 60 ÷ 5 = _____
d) 96 ÷ 8 = _____
e) 84 ÷ 6 = _____
f) 132 ÷ 11 = _____
g) 24 ÷ 3 = _____
h) 108 ÷ 12 = _____
i) 66 ÷ 6 = _____
j) 120 ÷ 10 = _____
k) 48 ÷ 4 = _____
l) 110 ÷ 11 = _____

3. Long Division with Multi-Digit Numbers

Solve each problem.

a) $4\overline{)1,836}$
b) $6\overline{)2,748}$
c) $7\overline{)4,872}$
d) $8\overline{)6,432}$

Name: _____

WEEK 6

1. Place Value & Decimals

Reading and writing decimals.

Write each decimal in words.

a) 3.47 _____
b) 12.305 _____
c) 0.829 _____
d) 6.100 _____

Write each word form as a decimal.

e) four and eighty-two hundredths _____
f) seven and five thousandths _____
g) twelve and three hundred twenty-five thousandths _____

2. Place Value & Decimals

Comparing and rounding decimals.
Understanding tenths, hundredths, and thousandths.

A. Compare using <, >, or =.

a) 4.35 ____ 4.53
b) 7.298 ____ 7.289
c) 12.06 ____ 12.60
d) 0.807 ____ 0.78
e) 9.405 ____ 9.45
f) 3.7 ____ 3.700

B. Round each decimal to the given place.

g) 5.678 to the nearest tenth _____
h) 4.326 to the nearest hundredth _____
i) 12.784 to the nearest thousandth _____
j) 8.59 to the nearest tenth _____
k) 0.9876 to the nearest hundredth _____

3. Long Division with Multi-Digit Numbers

Solve each problem.

a) $3\overline{)2,637}$
b) $5\overline{)4,250}$
c) $9\overline{)7,653}$
d) $6\overline{)5,184}$

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Name: _____

WEEK 7

1. Ratios & Basic Proportional Thinking

A. Write each ratio in simplest form.

a) 6 : 9 = _____

b) 10 : 15 = _____

c) 12 : 18 = _____

d) 8 : 20 = _____

e) 14 : 21 = _____

f) 9 : 12 = _____

B. Solve each problem.

a) For every 3 apples, there are 2 oranges.
If there are 18 apples, how many oranges are there?

_____

b) A recipe calls for 4 cups of flour for every 6 cups of sugar.
If you use 12 cups of flour, how many cups of sugar will you need?

_____

2. Basic Proportional Thinking

A. Unit Rates: Find the unit rate for each situation.

a) $24 for 6 notebooks _____

b) 150 miles in 3 hours _____

c) 18 cookies for 2 people _____

B. Compare the quantities using <, >, or =.

a) 3 : 5 _____ 6 : 10

b) 2.5 : 1 _____ 5 : 2

c) 4 : 7 _____ 8 : 14

d) 0.75 : 1 _____ 3 : 4

3. Real-World Problems

a) A map uses a scale of 1 cm : 50 km.
If two cities are 7 cm apart on the map, how far apart are they in real life?
Show your work.

b) A bag has 5 red marbles and 3 blue marbles.
If you pick one marble at random, what is the probability of picking a red marble?
Write your answer as a fraction in simplest form.
Show your work.

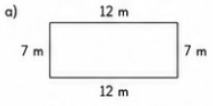
Name: _____

WEEK 8

1. Geometry Basics – Area & Perimeter

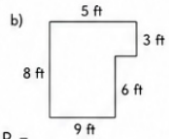
A. Find the perimeter of each figure.

a)



P = _____

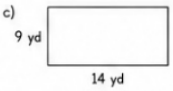
b)



P = _____

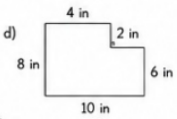
B. Find the area of each figure.

c)



A = _____

d)



A = _____

3. Geometry Basics – Classifying Shapes

Classify each shape by name.

a) _____ b) _____ c) _____ d) _____

4. Geometry Basics – Classifying Angles

Classify each angle as acute, right, or obtuse.

a) _____ b) _____ c) _____ d) _____

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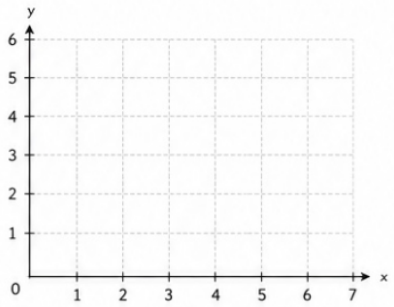
WEEK 9

1. Coordinate Plane & Graphing

A. Plot the ordered pairs in Quadrant I.
Label each point with its letter.

A (2, 3) B (6, 1) C (4, 5)
D (1, 4) E (5, 2) F (3, 6)



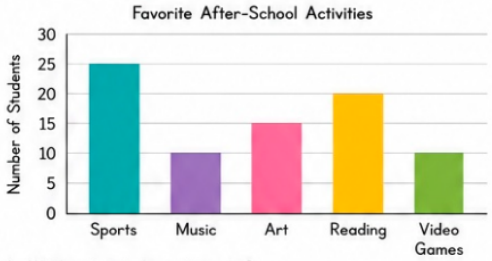
B. Write the ordered pair for each point.

Point A: (_____, _____) Point D: (_____, _____)

Point C: (_____, _____) Point F: (_____, _____)

2. Reading Graphs & Tables

A. Use the bar graph to answer the questions.



a) Which activity is the most popular? _____

b) How many students like Art? _____

c) How many more students like Sports than Music? _____

d) Which two activities have the same number of students? _____

B. Use the table to answer the questions.

Number of Books Read in a Month

Month	Jan	Feb	Mar	Apr	May
Books	4	7	5	9	6

a) In which month were the most books read? _____

b) What is the total number of books read in Feb and Mar? _____

c) What is the difference between Apr and Jan? _____

Name: _____

WEEK 10

1. Word Problems & Multi-Step Problem Solving

Solve each problem. Show your work clearly.

a) A school is planning a field trip for 126 students.
Each bus can hold 28 students.
How many buses are needed?

_____

b) A store sells backpacks for $34.95 each.
If you buy 3 backpacks and a water bottle for $7.25,
what is the total cost before tax?

_____

c) A recipe calls for 2 1/2 cups of flour.
If you want to make the recipe 3 times,
how many cups of flour do you need?

_____

d) The length of a rectangular garden is 18 feet
and the width is 12 feet.
If you put a fence around the garden,
how many feet of fence do you need?

_____

2. Identifying Operations & Real-Life Applications

A. Choose the correct operation(s) needed to solve each problem.
Circle all that apply.

a) Sarah has 48 stickers. She gives 12 to her friend
and then buys 5 more packs of 6 stickers each.
Which operations are needed?

Add Subtract Multiply Divide

b) A recipe uses 3 eggs for 1 batch.
How many eggs are needed for 4 batches?

Add Subtract Multiply Divide

c) A box holds 36 markers. There are 4 boxes.
How many markers are there in all?

Add Subtract Multiply Divide

B. Real-Life Challenge

You have $75 to spend at a store.

- A backpack costs $29.99.
- A lunch box costs $18.50.
- A water bottle costs $12.75.

Can you buy all three items with $75?
Show your work and explain.

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