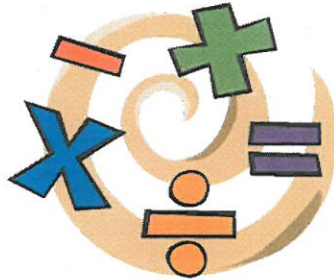


# BCS Elementary Summer Math Packet

## Fourth Grade for 2022-2023



This is your child's summer math packet. The material contained in this packet is a review from third grade. Please have your child complete this work over the summer. Feel free to assist if your child needs help. The math packet is due on the first day of school, Tuesday, August 9. It will count as a daily grade. Please help your child review multiplication facts over the summer. All multiplication facts 0's through 10's should be memorized before 4<sup>th</sup> grade.

During the first week of school, we will review the information in this packet as well as start an intensive multiplication facts review.

Thank you,

Fourth Grade Teachers

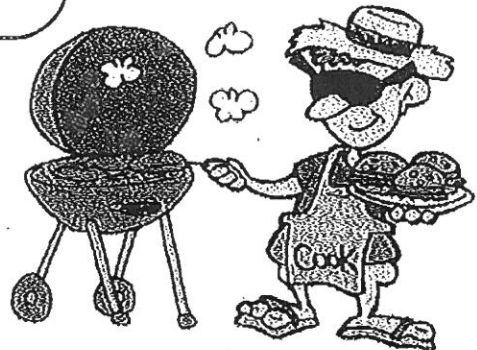
Name: \_\_\_\_\_

## Addition

Find the sums.

a. 
$$\begin{array}{r} 357 \\ + 208 \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 299 \\ + 234 \\ \hline \end{array}$$



c. 
$$\begin{array}{r} 483 \\ + 95 \\ \hline \end{array}$$

d. 
$$\begin{array}{r} 250 \\ + 590 \\ \hline \end{array}$$

e. 
$$\begin{array}{r} 774 \\ + 526 \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 878 \\ + 316 \\ \hline \end{array}$$

- g. Mr. Sanford bought a new grill and picnic table for his backyard. He spent \$178 on the grill and \$467 on the picnic table. How much did he spend in all?

\_\_\_\_\_

- h. Mr. Sanford had a huge outdoor party. He grilled 145 hamburgers and 247 cheeseburgers for his guests. How many burgers did he grill in all?

\_\_\_\_\_

Name: \_\_\_\_\_

## Subtraction

Subtract to find the differences.

a. 
$$\begin{array}{r} 507 \\ - 294 \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 483 \\ - 127 \\ \hline \end{array}$$



c. 
$$\begin{array}{r} 920 \\ - 50 \\ \hline \end{array}$$

d. 
$$\begin{array}{r} 378 \\ - 259 \\ \hline \end{array}$$

e. 
$$\begin{array}{r} 517 \\ - 108 \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 837 \\ - 47 \\ \hline \end{array}$$

- g. Liz works at a pet store. She put 238 bags of cat food on the shelf. Customers bought 142 bags. How many bags were left?

\_\_\_\_\_

- h. Brett also works at the pet store. He put 418 dog toys on the shelves. Soon, there were only 209 left. How many dog toys did customers buy?

\_\_\_\_\_

[illegible]

[illegible]

Name: \_\_\_\_\_

Multiplying 2-Digit by 1-Digit Numbers

a. 
$$\begin{array}{r} 43 \\ \times 2 \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 37 \\ \times 9 \\ \hline \end{array}$$

c. 
$$\begin{array}{r} 20 \\ \times 8 \\ \hline \end{array}$$

d. 
$$\begin{array}{r} 58 \\ \times 7 \\ \hline \end{array}$$

e. 
$$\begin{array}{r} 65 \\ \times 8 \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 32 \\ \times 5 \\ \hline \end{array}$$

g. 
$$\begin{array}{r} 99 \\ \times 4 \\ \hline \end{array}$$

h. 
$$\begin{array}{r} 87 \\ \times 3 \\ \hline \end{array}$$

i. 
$$\begin{array}{r} 42 \\ \times 7 \\ \hline \end{array}$$

j. 
$$\begin{array}{r} 38 \\ \times 4 \\ \hline \end{array}$$

k. 
$$\begin{array}{r} 13 \\ \times 5 \\ \hline \end{array}$$

l. 
$$\begin{array}{r} 39 \\ \times 6 \\ \hline \end{array}$$

m. 
$$\begin{array}{r} 89 \\ \times 7 \\ \hline \end{array}$$

n. 
$$\begin{array}{r} 74 \\ \times 3 \\ \hline \end{array}$$

o. 
$$\begin{array}{r} 62 \\ \times 7 \\ \hline \end{array}$$

Name: \_\_\_\_\_

## Basic Division Facts

with Divisors up to 12

Divide to find the quotients.

A  $21 \div 3 =$  \_\_\_\_\_

B  $42 \div 7 =$  \_\_\_\_\_

C  $24 \div 4 =$  \_\_\_\_\_

D  $1 \div 1 =$  \_\_\_\_\_

E  $18 \div 9 =$  \_\_\_\_\_

F  $32 \div 8 =$  \_\_\_\_\_

G  $24 \div 8 =$  \_\_\_\_\_

H  $72 \div 9 =$  \_\_\_\_\_

I  $28 \div 4 =$  \_\_\_\_\_

J  $0 \div 5 =$  \_\_\_\_\_

K  $121 \div 11 =$  \_\_\_\_\_

L  $100 \div 10 =$  \_\_\_\_\_

M  $72 \div 6 =$  \_\_\_\_\_

N  $54 \div 6 =$  \_\_\_\_\_

Name: \_\_\_\_\_

## Digit Values

What is the value of the underlined digit?

632,814 - The value of the digit 6 is 6 hundred-thousands, or 600,000.

632,814 - The value of the digit 3 is 3 ten-thousands, or 30,000.

632,814 - The value of the digit 8 is 8 thousands, or 2,000.

632,814 - The value of the digit 1 is 1 tens, or 10.

632,814 - The value of the digit 4 is 4 ones, or 4.



Write the value of the underlined digit.

a. 198,752 - \_\_\_\_\_

b. 956,726 - \_\_\_\_\_

c. 472,861 - \_\_\_\_\_

d. 764,509 - \_\_\_\_\_

e. 896,804 - \_\_\_\_\_

f. 601,099 - \_\_\_\_\_

g. 467,530 - \_\_\_\_\_

h. 50,402 - \_\_\_\_\_

4 5 6 , 8 0 2

i. In the number above, which digit has the greatest value? \_\_\_\_\_

j. In the number above, which digit has the least value? \_\_\_\_\_

k. What is the value of the digit in the thousands place of the number above? \_\_\_\_\_

l. What is the value of the digit in the ten-thousands place of the number above? \_\_\_\_\_



Name: \_\_\_\_\_

Place Value Questions

### ***Place Value Puzzlers***

- a. What's the biggest number you can make using the digits 9, 3, 5, and 1? \_\_\_\_\_
- b. Which number is bigger, 28,761 or 9,999? \_\_\_\_\_
- c. In the number 234,567, what digit is in the ten thousands place? \_\_\_\_\_
- d. In the number 157,562, the one is in the \_\_\_\_ place. \_\_\_\_\_
- e. What's the smallest number you can make using the digits 9,7,5, and 4. \_\_\_\_\_

Name: \_\_\_\_\_

## Number Patterns

- a. Examine the number pattern below.

**104, 113, 122, 131, 140 ...**

Write the next three numbers in the pattern. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

How do you know which numbers came next?

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- b. Examine the number pattern below.

**331, 316, 301, 286, 271 ...**

Write the next three numbers in the pattern. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

How do you know which numbers came next?

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- c. Examine the number pattern below.

**890, 780, 670, 560, 450 ...**

Write the next three numbers in the pattern. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

How do you know which numbers came next?

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Name: \_\_\_\_\_

## Multiple-Step Word Problems



- a. Madison is reading a book that has 232 pages in it. She read 42 pages over the weekend. Then she read 30 more pages on Monday night. How many pages does Madison have left to read?

\_\_\_\_\_

- b. Steven bought two boxes of erasers. One box had 24 erasers in it. The other box had 36 erasers in it. He then gave 18 of his erasers to his friend. How many erasers did Steven have left?

\_\_\_\_\_

- c. In football, a player scores 6 points for a touchdown and 3 points for a field goal. Sujith's team scored 2 touchdowns in this week's game. Last week they scored 1 touchdown and 1 field goal. How many points did Sujith's team score in both games combined?

\_\_\_\_\_

- d. Mia bought a sketch book with 125 blank pages in it. She tears out 7 blank pages for her friend to draw on. Mia draws pictures on 64 pages. How many blank pages does she have left?

\_\_\_\_\_

Name: \_\_\_\_\_

## Fractions of a Set

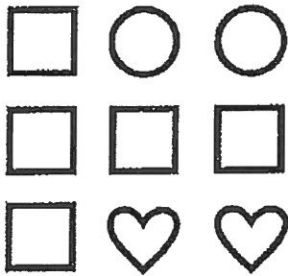
a. What fraction of the stars are outside the circle?



answer:

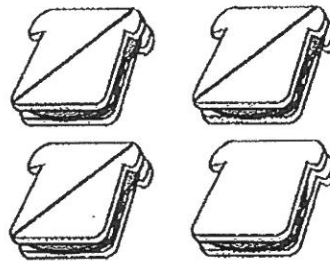
b. Draw 7 shapes.  $\frac{3}{7}$  of the shapes should be triangles?

c. What fraction of the shapes are circles?



answer:

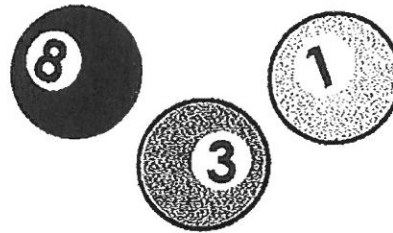
d. What fraction of the sandwiches are cut in half?



answer:

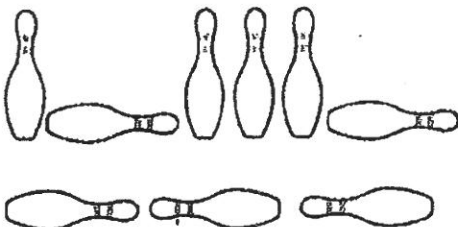
e. Write 6 letters.  $\frac{5}{6}$  of your letters should be vowels.

f. What fraction of the billiard balls have even numbers on them?



answer:

g. What fraction of the bowling pins are standing?



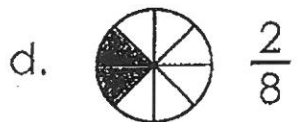
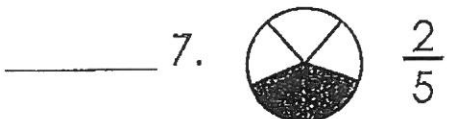
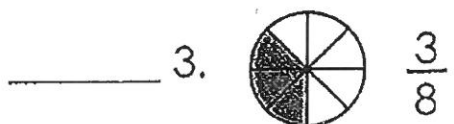
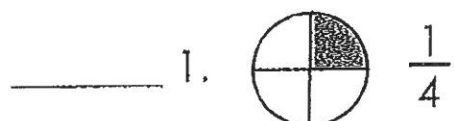
answer:

h. Draw 10 smiling faces. Only  $\frac{1}{10}$  of the smiling faces should have a nose.

Name: \_\_\_\_\_

## Equivalent Fractions

Match the fractions on the left with equivalent fractions on the right.  
Write the correct letters on the lines.

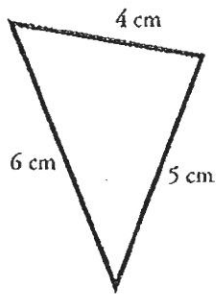


Name: \_\_\_\_\_

## Perimeter of a Polygon

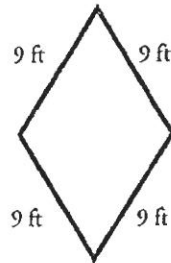
Find the perimeter of each shape by adding the lengths of each side. Be sure to include the units in your answer.

a.



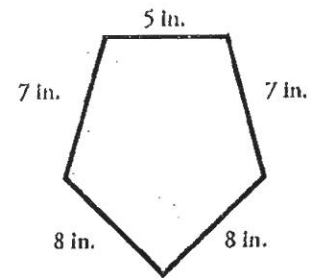
\_\_\_\_\_

b.



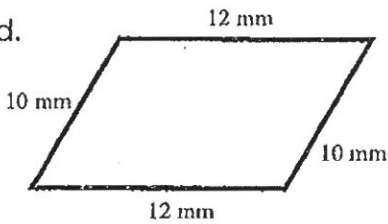
\_\_\_\_\_

c.



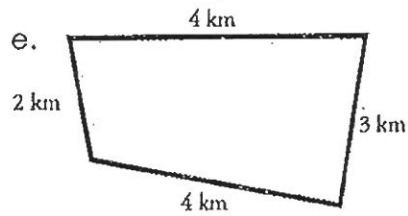
\_\_\_\_\_

d.



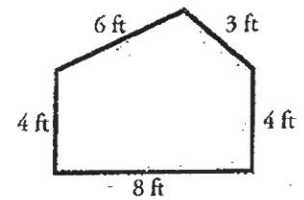
\_\_\_\_\_

e.



\_\_\_\_\_

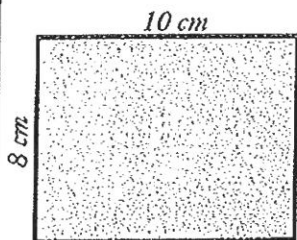
f.



\_\_\_\_\_

Name: \_\_\_\_\_

## Area of a Rectangle



To find the area of a rectangle, use the formula **length x width = area**.  
This formula is often written as  $l \times w = A$ .

The rectangle pictured here has a length of 10 cm and a width of 8 cm.

$$l = 10 \text{ cm}$$

$$w = 8 \text{ cm}$$

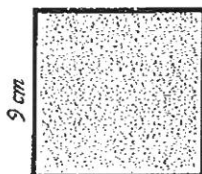
$$10 \text{ cm} \times 8 \text{ cm} = 80 \text{ cm}^2$$

Note that the area's unit is written as  $\text{cm}^2$ .

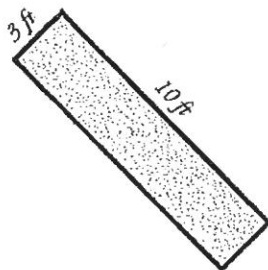
This is said as "square centimeters" or "centimeters squared".

Find the area of each rectangle.

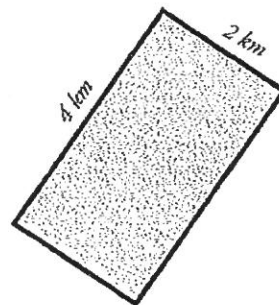
a.



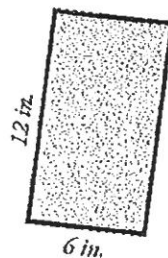
b.



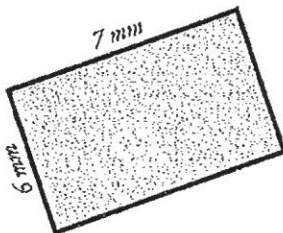
c.



d.



e.



f.

