

Name: _____

Rising 5th Grade Summer Skills Packet

Please complete this packet and turn in to your new 5th grade math teacher
on the first day of school.

Hello 5th Grade Parents,

We are so excited to be working with your child in 5th grade math next year! In an effort to keep the skills and concepts learned in 4th grade fresh in your child's mind and get your child off to a great start in the new school year, we have created a summer skill packet. There are no new skills in this packet.

Please assist your child by checking for accuracy and completion of this packet in a timely manner. It will provide you with the ability to determine if you need to help support your child any further in understanding these basic skills. We highly recommend you parse out the work in small portions throughout the summer, rather than waiting a few days before school starts. That way, this will not be an overwhelming experience for you and your child.

If you want your child to practice more skills or start on 5th grade math skills (or beyond), your child's Khan Academy account can provide them with many skills to practice. Your child should know their username/password and if by chance, your child has forgotten their username/password, it is very easy to set up a new account.

Please make sure your child is fluent in both multiplication and division facts (0-12) by the end of summer. Having these facts memorized will make their transition to 5th grade so much easier because many concepts and skills rely on knowing these facts. Your child should also be able to multiply 2 digit x 2 digit numbers and solve long division problems without any errors.

If you have any questions regarding this packet or about 5th grade math in general, please feel free to email the 5th grade team during the summer.

The 5th Grade Math Team,

Ms. Alyssa Pantoja- Intermediate Math Specialist (afpantoja@cps.edu)

Mrs. Martha Torres- Room 211 (msantiago5@cps.edu)

Ms. Ashley McFee- Room 212 (samcfee@cps.edu)

Name: _____

Multiplication

$$\begin{array}{r} 68 \\ \times 69 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ \times 73 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times 45 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 85 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 91 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 85 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times 12 \\ \hline \end{array}$$

Name: _____

Multiplication

$$\begin{array}{r} 771 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 879 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 196 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 301 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 954 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 449 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 395 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 486 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 121 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 831 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 270 \\ \times 8 \\ \hline \end{array}$$

Name: _____

Division Practice

Find each quotient. Use the space below each problem to show your work.

a. $688 \div 7 = \underline{\hspace{2cm}}$

b. $400 \div 6 = \underline{\hspace{2cm}}$

c. $117 \div 9 = \underline{\hspace{2cm}}$

d. $206 \div 4 = \underline{\hspace{2cm}}$

e. $113 \div 3 = \underline{\hspace{2cm}}$

f. $899 \div 9 = \underline{\hspace{2cm}}$

g. $377 \div 4 = \underline{\hspace{2cm}}$

h. $205 \div 3 = \underline{\hspace{2cm}}$

i. $501 \div 9 = \underline{\hspace{2cm}}$

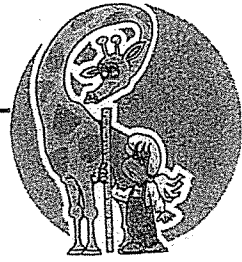
j. $102 \div 5 = \underline{\hspace{2cm}}$

k. $388 \div 8 = \underline{\hspace{2cm}}$

l. $301 \div 7 = \underline{\hspace{2cm}}$

Name: _____

In and Out Boxes: Measurement



Complete the tables below and answer the questions that follow.

yards	1	4	7	
feet				27

rule: multiply by 3

feet	1		3	10
inches	12	24		

rule: _____

a. How many feet are in 1 yard? _____

b. How many feet are in 36 inches? _____

c. How many yards are in 27 feet? _____

d. How many inches are in 3 feet? _____

*. How many feet are in 5 yards? _____

*. How many feet are in 48 inches? _____

Use the table below to answer the questions.

yards	1	2	3	4	5	6
inches	36	?	108	144	180	216

e. How many inches are in 5 yards? _____

f. How many inches are in 2 yards? _____

g. On the lines below, describe the rule you can use to find the number of inches in a given number of yards.

Name: _____



In and Out Boxes: Measurement

Complete the tables below and answer the questions that follow.

centimeters	1		7	
millimeters		40		110

rule: multiply by 10

centimeters	200	300		
meters			7	13

rule: divide by 100

- a. How many mm are in 7 cm? _____
- b. How many cm are in 7 m? _____
- c. How many cm are in 110 mm? _____
- d. How many cm are in 13 m? _____
- *. How many mm are in 230 cm? _____
- *. How many m are in 1,500 cm? _____

Use the table below to answer the questions.

meters	1,000	2,000	3,000	8,000	?	24,000
kilometers	1	2	3	8	12	?

- e. How many meters are in 12 kilometers? _____
- f. How many kilometers are in 24,000 meters? _____
- g. On the lines below, describe the rule you can use to find the number of kilometers in a given number of meters.

Name: _____

Level 3

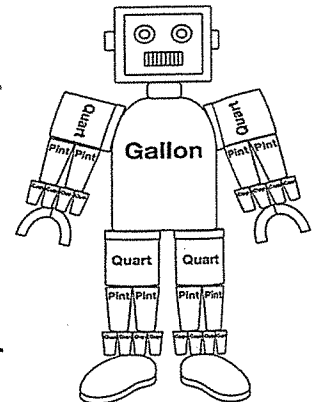
Measuring Capacity

$$1 \text{ gallon} = 4 \text{ quarts} = 8 \text{ pints} = 16 \text{ cups}$$

$$1 \text{ gallon} = 4 \text{ quarts}$$

$$1 \text{ quart} = 2 \text{ pints}$$

$$1 \text{ pint} = 2 \text{ cups}$$



Fill in the correct number for each statement.

a. 3 gallons = _____ pints

b. 6 gallons = _____ quarts

c. $\frac{1}{2}$ gallon = _____ pints

d. $\frac{1}{2}$ quart = _____ cups

e. $1\frac{1}{2}$ pints = _____ cups

f. $2\frac{1}{2}$ gallons = _____ cups

Circle the greater amount for each pair.

g. 12 quarts or 6 gallons

h. 10 quarts or 5 gallons

i. 6 cups or $2\frac{1}{2}$ pints

j. $4\frac{1}{2}$ cups or 2 quarts

k. 16 pints or $8\frac{1}{2}$ quarts

l. $\frac{1}{2}$ gallon or $3\frac{1}{2}$ quarts

Find the best answer and explain.

- m. Each day, Isaac feeds his puppy one cup of dog food in the morning and one cup in the evening. How many quarts of food does Isaac feed his puppy during a week? Explain how you found your answer.

answer: _____

explain: _____

Name: _____

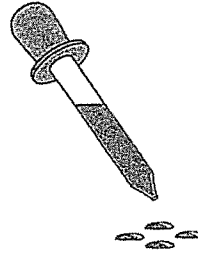
Milliliters and Liters

A **liter** (L) and a **milliliter** (mL) are both units for measuring capacity, or volume, in the metric system.



This bottle holds 1 liter of water.

To convert liters to milliliters, multiply by 1,000.



A milliliter is about 4 drops of water.

To convert milliliters to liters, divide by 1,000.

1. $6,000 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

2. $7 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

3. $3.12 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

4. $500 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

5. $760 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

6. $2.42 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

7. $8.1 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

8. $5,210 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

9. $41,000 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

10. $0.4 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

11. $90,000 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

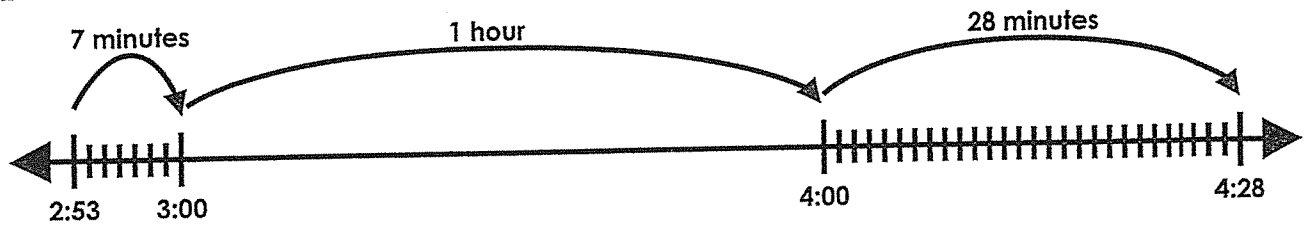
12. $720 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

13. You have 1 L of milk. You drink 250 mL.
How much milk do you have left?

Name: _____

Elapsed Time Number Line

Start Time	End Time
2:53 pm	4:28 pm



elapsed time: 1 hour and 35 minutes

Use an elapsed time number line to calculate the amount of time that has passed.

a.

Start Time	End Time
5:41 am	7:26 am



elapsed time: _____

b.

Start Time	End Time
10:06 am	1:24 pm



elapsed time: _____

c.

Start Time	End Time
1:37 pm	3:48 pm



elapsed time: _____

d.

Start Time	End Time
8:18 am	11:07 am



elapsed time: _____

e.

Start Time	End Time
12:50 pm	12:45 am



elapsed time: _____



Start Time	End Time
12 minutes after 7 pm	quarter after 11 pm



elapsed time: _____

Name: _____

Simplifying Fractions

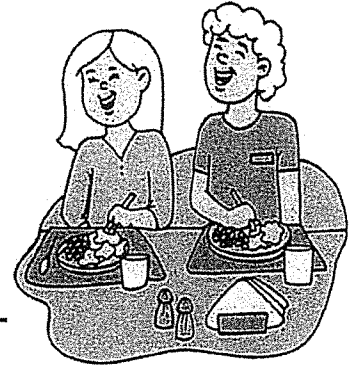
To simplify a fraction, divide the numerator and the denominator by the greatest common factor.

example: Simplify the fraction $\frac{18}{27}$

The greatest common factor of 18 and 27 is 9.

Divide the numerator and the denominator by 9.

$$\frac{18}{27} \div \frac{9}{9} = \frac{2}{3}$$



Simplify each fraction.

a. $\frac{4}{20} =$

b. $\frac{5}{10} =$

c. $\frac{14}{21} =$

d. $\frac{9}{15} =$

e. $\frac{16}{24} =$

f. $\frac{18}{48} =$

g. $\frac{16}{44} =$

h. $\frac{9}{21} =$

i. $\frac{25}{30} =$

j. $\frac{8}{22} =$

k. $\frac{12}{30} =$

l. $\frac{5}{20} =$

- q. There are 36 students in Frank's class. 27 of them are buying lunch today. Write and simplify the fraction of students that are buying lunch.

Name: _____

Improper Fractions & Mixed Numbers

Write each mixed number as an improper fraction

a. $2 \frac{1}{4} =$

b. $8 \frac{3}{8} =$

c. $2 \frac{5}{6} =$

d. $4 \frac{1}{2} =$

e. $5 \frac{1}{3} =$

f. $10 \frac{7}{12} =$

g. $9 \frac{1}{4} =$

h. $6 \frac{5}{6} =$

i. $7 \frac{5}{6} =$

j. $10 \frac{3}{7} =$

k. $11 \frac{1}{3} =$

l. $20 \frac{1}{2} =$

Write each improper fraction as a mixed number.

m. $\frac{7}{5} =$

n. $\frac{9}{4} =$

o. $\frac{5}{3} =$

p. $\frac{22}{9} =$

q. $\frac{13}{7} =$

r. $\frac{9}{2} =$

s. $\frac{17}{9} =$

t. $\frac{7}{3} =$

u. $\frac{17}{7} =$

v. $\frac{10}{3} =$

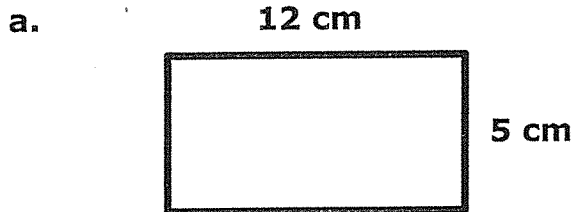


- w. Mrs. Jones bakes pies. She always cuts each pie into 8 slices. There are 13 slices left on the counter. Write the number of pies on the counter as a mixed number and as an improper fraction.
- _____

Name: _____

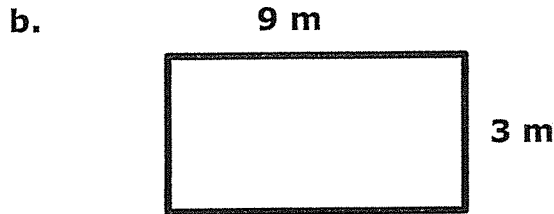
Area and Perimeter of Rectangles

Find the area and perimeter of each rectangle.



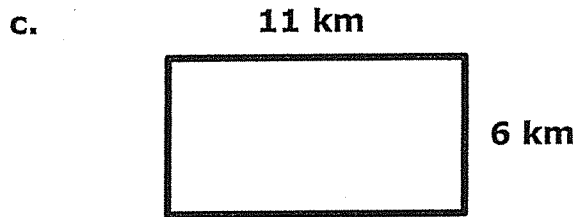
perimeter = _____

area = _____



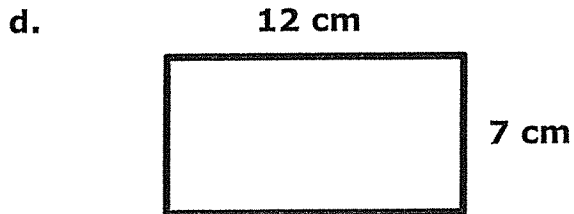
perimeter = _____

area = _____



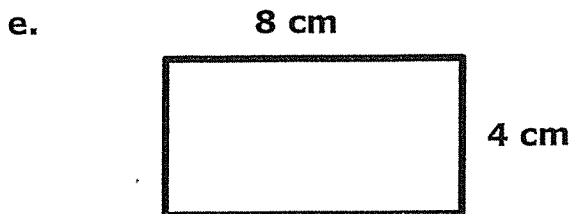
perimeter = _____

area = _____



perimeter = _____

area = _____



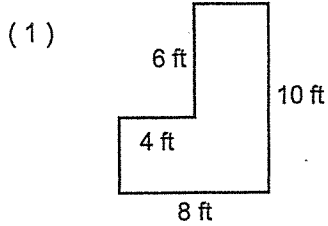
perimeter = _____

area = _____

Calculating Area & Perimeter

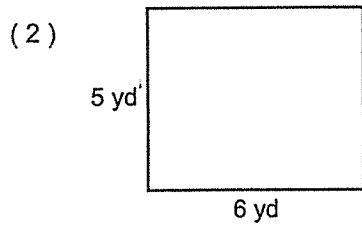
Name: _____ Date: _____

Calculate the area and perimeter of each shape.



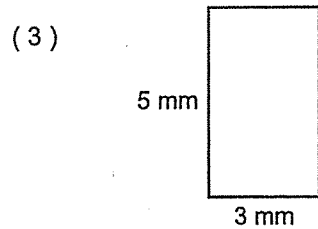
Perimeter: _____

Area: _____



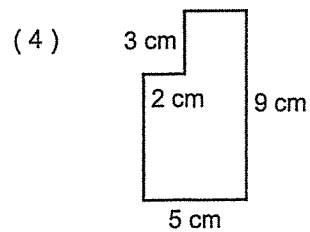
Perimeter: _____

Area: _____



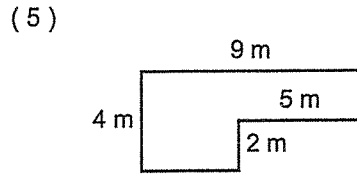
Perimeter: _____

Area: _____



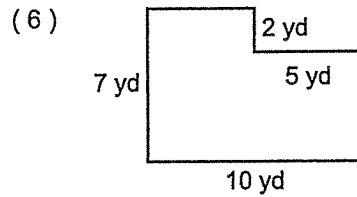
Perimeter: _____

Area: _____



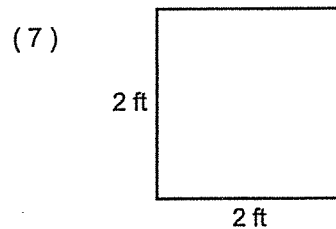
Perimeter: _____

Area: _____



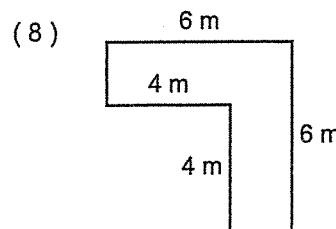
Perimeter: _____

Area: _____



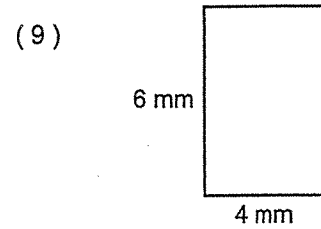
Perimeter: _____

Area: _____



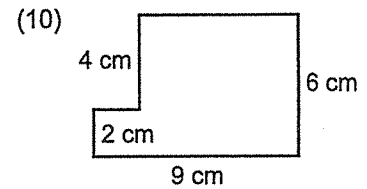
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Area: _____



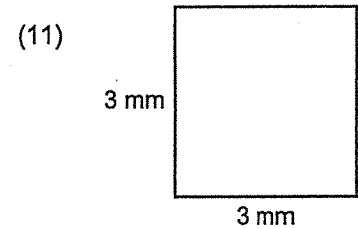
Perimeter: _____

Area: _____



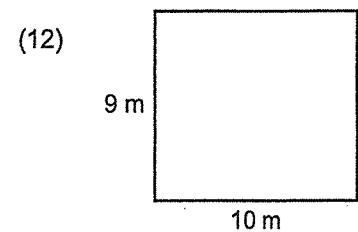
Perimeter: _____

Area: _____



Perimeter: _____

Area: _____



Perimeter: _____

Area: _____