

# Problem of the Day August

**Day 1**

What is 16 divided by 4? How do you know? \_\_\_\_\_

\_\_\_\_\_

**Day 2**

Explain how to solve  $7 \times 6$  in two different ways. \_\_\_\_\_

\_\_\_\_\_

**Day 3**

What is the difference between an octagon and a hexagon? \_\_\_\_\_

\_\_\_\_\_

**Day 4**

Draw the fraction  $\frac{1}{5}$ . What might this represent?

\_\_\_\_\_

**Day 5**

You bought 7 packages of figs. Each packet has 4 figs. How many figs are there altogether? List two ways to solve this problem, then solve.

\_\_\_\_\_

\_\_\_\_\_

# Problem of the Day August

Day 1

Write an example of how a person might use decimals in the real world.

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Day 2

How many groups of 10 do you need to make 20? \_\_\_\_\_

Day 3

On Friday, Jorge spent 17 minutes gardening. On Saturday, he spent 88 minutes gardening. On Sunday, he spent 16 minutes gardening. How much time did he spend gardening altogether? \_\_\_\_\_

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Day 4

Find and continue the pattern:

|               |    |    |    |       |       |       |
|---------------|----|----|----|-------|-------|-------|
| <b>Input</b>  | 0  | 1  | 2  | 3     | 4     | 5     |
| <b>Output</b> | 10 | 17 | 34 | _____ | _____ | _____ |

Day 5

Lunch at George's school begins at 12:32 p.m. and ends at 1:08 p.m. How many minutes is lunch? \_\_\_\_\_

# Problem of the Day August

**Day 1**

When Arnold looked at the clock at breakfast, the hour hand was after the 9 and the minute hand was on the 6. What time is breakfast? \_\_\_\_\_

**Day 2**

Your family is going on a road trip that is 638 miles long. You have already traveled 99 miles. How many more miles is your trip? \_\_\_\_\_

**Day 3**

Fill in the missing number:  $81 + \underline{\hspace{2cm}} = 232$

**Day 4**

Compare using  $<$ ,  $>$ , or  $=$ .  $9 \times 3$  \_\_\_\_\_  $4 \times 6$

**Day 5**

Continue this counting by 16s pattern: 16, 32, 48, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

# Problem of the Day August

**Day 1**

What is the distance around this field  
(also known as perimeter)? \_\_\_\_\_

36.5 m

42 m

**Day 2**

How do you know if a number is divisible by 10? \_\_\_\_\_

\_\_\_\_\_

**Day 3**

A shoe factory just made 210 shoes. How many pairs of shoes did it make?

\_\_\_\_\_

**Day 4**

Marisela can fit 8 cupcakes on a plate. She has 24 cupcakes in all. How many plates will she need for all of the cupcakes? \_\_\_\_\_

**Day 5**

Morgan read for 45 minutes. Her goal is 108 minutes. How many more minutes must she read to meet her goal? \_\_\_\_\_

# Problem of the Day August Answer Key

## Week 1

Day 1: **If I circle groups of four in sixteen, there are four groups.**

Day 2: **I can draw seven groups of six, or I can use my multiplication fact,  $7 \times 6 = 42$ .**

Day 3: **An octagon has eight sides, and a hexagon has six sides.**

Day 4: **Students should draw a shape divided into five with one colored in.**

Day 5: **I can draw 7 packets with 4 figs in each and count them, or I can multiply  $7 \times 4 = 28$ .**

## Week 2

Day 1: **A person uses decimals when using money (dollars and cents).**

Day 2: **2**

Day 3: **121 minutes**

Day 4: **51, 68, 85**

Day 5: **36 minutes**

## Week 3

Day 1: **9:30 a.m.**

Day 2: **539 more miles**

Day 3: **152**

Day 4: **>**

Day 5: **64, 80, 96, 112, 128**

## Week 4

Day 1: **157 m**

Day 2: **A number is divisible by 10 if it ends in a zero.**

Day 3: **105 pairs**

Day 4: **3 plates**

Day 5: **63 more minutes**