

# APS 3<sup>rd</sup> Grade

## Answer Key

Week 2 – April 13-17

Number of the Day

5,082

1. Round to the nearest ten. 5,080
2. Round to the nearest hundred. 5,100
3. Write in written form. five thousand eighty two
4. Write in expanded form. 5,000 + 80 + 2

Daily Word Problems

I found 75 pieces of gold at the end of a rainbow and shared it with 5 friends. How many pieces of gold will each friend get?

15 pieces of gold

I found the end of a rainbow and got 234 pieces of gold. I gave my friend 95 of the pieces of the gold. How many pieces did I have left?

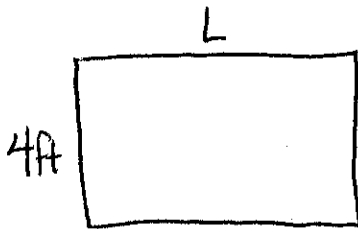
139 pieces of gold

Each of my 4 friends found 18 pieces of gold. How many total pieces of gold did they find?

72 pieces of gold

Constructed Response

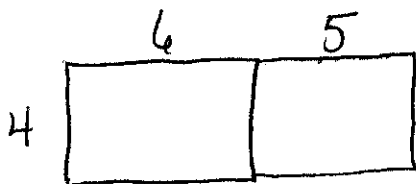
Part 1-Garrett is looking for frogs in a part of a forest. He marks off a rectangle that is 4 feet wide and has a perimeter of 24 feet. Draw a picture to represent his rectangle. What is the length of the rectangle?



$$24 \div 4 = 6$$

Length is 6ft

Part 2-Garrett adds 5 feet to the length of his rectangle. Draw a new picture to show the change in the length of the rectangle. Write two expressions to represent the total area of the rectangle.

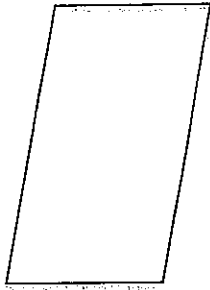


$$(6+5) \times 4 = 44 \text{ square feet}$$

$$(4 \times 6) + (5 \times 4) = 44 \text{ square feet}$$

answers may vary

Number of the Day



1. What shape is shown? quadrilateral

2. Name four attributes of the shape..

4 sides 4 angles parallel sides 4 acute angles

Daily Word Problems

One leprechaun collected 289 four-leaf clovers. His friend gave him 189 more clovers. How many clovers do they have in all?

478 clovers

A leprechaun had 63 four-leaf clovers. He shared them equally with 7 friends. How many clovers did each friend get?

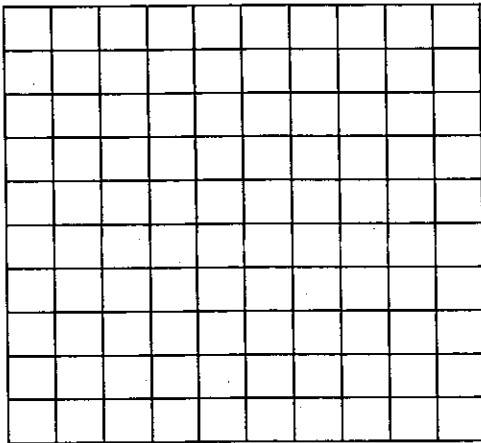
9 clovers

A leprechaun had 8 friends, and each of his friends gave him 6 four-leaf clovers. How many clovers did the leprechaun get?

48 clovers

Constructed Response

Jillian is ordering new woodchips for a playground. The figure shows one section of the playground.



Part 1—What is the side length in yards of one section of the playground?

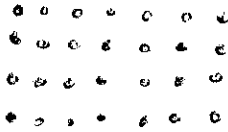
10 yards

Part 2—One bag of woodchips can cover 10 square yards. What is the minimum number of bags Jillian will need to cover the section of the playground?

10 bags

Number of the Day

1. Solve with an array.



$$4 \times 7 =$$

2. Solve with repeated addition.

$$7 + 7 + 7 + 7 = 28$$

3. Represent with a multiplication and division fact family.

$$4 \times 7 = 28$$

$$7 \times 4 = 28$$

$$28 \div 7 = 4$$

$$28 \div 4 = 7$$

Daily Word Problems

Sparky had 24 lucky horseshoes and wanted to give equal amounts to his 4 brothers. How many horseshoes will each brother get?

6 horseshoes

Sparky had 3 brothers and each brother had 6 lucky horseshoes. How many horseshoes do they have in all?

18 horseshoes

Sparky wanted 100 lucky horseshoes. He had 38 lucky horseshoes, so how many more lucky horseshoes does he need to reach his goal?

62 more horseshoes

Constructed Response

Part 1-Mrs. Allen said that anytime you double a number and then double it again, you get four times the first number. Does that make sense? Explain your answer.

Example

$$2 + 2 = 4$$

$$4 + 4 = 8$$

$$2 \times 4 = 8$$

$$6 + 6 = 12$$

$$12 + 12 = 24$$

$$6 \times 4 = 24$$

Part 2-Mrs. Allen doubled the number 148, then doubled it again to find the number of erasers she needs. What is the result of doubling 148, then doubling it again?

$$148 + 148 = 296$$

$$296 + 296 = 592$$

Part 3-Mrs. Allen bought the number of erasers from Part 2 and 239 of the erasers were pink. All of the other erasers were blue. How many of the erasers were blue?

$$592 - 239 = 353 \text{ blue erasers}$$

Number of the Day

1. Solve with an array.



$24 \div 3 =$

2. Solve with repeated subtraction.

$24 - 3 = 21$   
 $21 - 3 = 18$   
 $18 - 3 = 15$   
 $15 - 3 = 12$   
 $12 - 3 = 9$   
 $9 - 3 = 6$

3. Represent with a multiplication and division fact family.

$8 \times 3 = 24$

~~$3 \times 8 = 24$~~

$24 \div 3 = 8$

$24 \div 8 = 3$

Daily Word Problems

If a leprechaun had 8 magic pebbles that were each able to grant 3 wishes. How many wishes could the leprechaun grant?

24 wishes

A leprechaun could grant 27 wishes. His friend could grant 37 wishes, and his sister could grant 26 wishes. How many wishes could they grant in all?

90 wishes

A leprechaun could grant 42 wishes, and his friend could grant 60 wishes. How many more wishes could his friend grant?

18 wishes

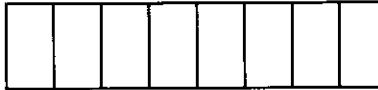
Constructed Response

Sierra and Sam have the same size poster board to use for a school assignment. They each divided their poster boards into equal parts.

Sierra's Poster Board



Sam's Poster Board



Part 1-Write a fraction to represent the size on one part of Sierra's whole poster board. Explain your answer.

$\frac{1}{4}$  1 part out of 4 pieces

Part 2-Sierra says that two parts of her poster board are equal to one part of Sam's poster board. Is she correct? Why?

$\frac{2}{4}$  is not equal to  $\frac{1}{8}$  Sierra's pieces are bigger than Sams.

Part 3-Sierra and Sam both drew pictures on three parts of their poster board. Sam says that they drew on equal parts of their posters. Is he correct? Why?

Sam is not correct because his pieces are smaller than Sierras.

1.  $895 + 468 = \underline{1,363}$

2.  $500 - 253 = \underline{247}$

3.  $4 \times 20 = \underline{80}$

4. Solve using the distributive property.  $17 \times 6 = \underline{(10 \times 6) + (7 \times 6) = 102}$

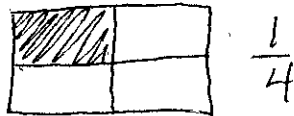
Describe a situation to represent five groups of three.

*Answers may vary*

- 5 tables with 3 chairs at each table
- 5 buses with 3 kids in each bus

Marissa, Ashton, and Miles went to a carnival. They saw that the floor of the carnival tent was a large rectangle divided into equal parts.

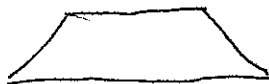
Part 1—Draw a rectangle and divide it into more than three equal parts. Shade one of the equal parts of your rectangle and write a fraction that shows what part of the rectangle you shaded.



Part 2—Miles counted twice as many clowns as rides in the carnival. He counted a total of 24 clowns and rides in all. How many rides did Miles count?

*8 rides*

Part 3—One of the booths had quadrilaterals. Ashton said he liked the quadrilateral that was not a parallelogram. Draw the shape Ashton liked.



Part 4—Marissa paid \$16 for her ticket and \$9 per ticket for Ashton and Miles. What was the total cost of the tickets? *\$34 total cost of tickets*

[1]  $3+3+3+3+3$  \_\_\_\_\_

[2]  $5$  \_\_\_\_\_

[3]  $2 \times 3 = 6$  or  $3 \times 2 = 6$  \_\_\_\_\_

[4]  $2$  \_\_\_\_\_

[5]  $2$  \_\_\_\_\_

[6]  $16$  \_\_\_\_\_

[7]  $4+4$  \_\_\_\_\_

[8]  $3$  \_\_\_\_\_

[9]  $42$  \_\_\_\_\_

[10]  $50$  \_\_\_\_\_

[11]  $7 \times 9 = 63$  or  $9 \times 7 = 63$  \_\_\_\_\_

[12]  $6 \times 3$  \_\_\_\_\_

[13]  $24$  \_\_\_\_\_

[14]  $5+5+5+5$  \_\_\_\_\_

[15]  $8$  \_\_\_\_\_

[16]  $14$  \_\_\_\_\_

[17]  $8 \times 8$  \_\_\_\_\_

[18]  $7 \times 1$  \_\_\_\_\_

[19]  $8 \times 7$  \_\_\_\_\_

[20]  $4 \times 7 = 28$  or  $7 \times 4 = 28$  \_\_\_\_\_

[21]  $4$  \_\_\_\_\_

[22]  $9 \times 10$  \_\_\_\_\_

[23]  $10 \times 6$  \_\_\_\_\_

[24]  $2 \times 5$  \_\_\_\_\_

[25]  $5 \times 8 = 40$  or  $8 \times 5 = 40$  \_\_\_\_\_

[26]  $1$  \_\_\_\_\_

[27]  $5 \times 4$  \_\_\_\_\_

[28]  $9 \times 8 = 72$  or  $8 \times 9 = 72$  \_\_\_\_\_

[29]  $10 \times 10 = 100$  \_\_\_\_\_

[30]  $3 \times 9$  \_\_\_\_\_



## Schwa spelled with an a, e, i, o, u, and y

**Directions** Choose the word with a vowel that has the same sound as the underlined vowels in about, taken, pencil, lemon, circus, and Sibyl to complete each sentence. Write the word on the line to the left.

- afraid \_\_\_\_\_ 1. Susan was (afraid/scared) to walk her dog without a leash.
- rascal \_\_\_\_\_ 2. Every time she opened the front door, the little (pooch/rascal) ran off.
- local \_\_\_\_\_ 3. One time she took her dog to a (local/nearby) park.
- animals \_\_\_\_\_ 4. All the (animals/doggies) were fetching or chasing.
- vinyl \_\_\_\_\_ 5. Susan removed her puppy's (vinyl/nylon) leash and let the dog run freely.
- paper \_\_\_\_\_ 6. When her dog ran off, Susan opened a (paper/plastic) bag and pulled out a treat.
- traveled \_\_\_\_\_ 7. Susan's dog quickly (traveled/bounded) back.
- morsel \_\_\_\_\_ 8. Now anytime Susan offers her dog a tasty (biscuit/morsel), it comes racing to her.

**Directions** Circle the letter in each word that stands for the same sound as the underlined vowels in about, taken, pencil, lemon, circus, and Sibyl.

- |                               |                             |                            |                             |
|-------------------------------|-----------------------------|----------------------------|-----------------------------|
| 9. <u>k</u> itch <u>e</u> n   | 12. fam <u>i</u> ly         | 15. <u>v</u> in <u>y</u> l | 18. <u>a</u> g <u>o</u>     |
| 10. <u>r</u> iv <u>e</u> r    | 13. m <u>e</u> l <u>o</u> n | 16. doll <u>a</u> r        | 19. <u>o</u> p <u>e</u> n   |
| 11. <u>s</u> ur <u>p</u> rise | 14. sug <u>a</u> r          | 17. nick <u>e</u> l        | 20. can <u>y</u> o <u>n</u> |

**Home Activity** Your child identified and wrote words that contain the vowel sound called schwa, heard in words with unaccented syllables such as about, taken, pencil, lemon, circus, and Sibyl. Help your child write sentences with words that have this sound. Ask your child to read each sentence and identify the letter that stands for the schwa sound.

## Cause and Effect

- An **effect** is something that happens.
- A **cause** tells why that thing happens.
- An effect may have more than one cause.

**Directions:** Read the following passage.

No matter where you live, English sparrows probably live nearby. Like most of us, the ancestors of today's English sparrows were immigrants. The first family members came from England. They were set free in New York in the 1800s. Over the years, sparrows have moved to all parts of our country.

Americans have a love-hate relationship with sparrows. Some people dislike them because, they say, the sparrows push aside native birds and because they are messy. Many people enjoy sparrows. They like them because they think they're cute and because sparrows eat harmful worms and insects.

**Directions:** Fill in the chart to identify cause and effect.

**Effect:** Some people dislike English sparrows

**1. Cause:** because they push aside native birds.

**2. Cause:** because they are messy.

**3. Effect:** Other people enjoy English sparrows

**4. Cause:** because they think they are cute.

**5. Cause:** because they eat harmful worms and insects.

**Home Activity** Your child identified cause and effect. With your child, talk about a wild bird or animal that lives near your home. Talk about causes and effects related to having the bird or animal nearby.

## Vocabulary

**Directions** Match each word with its meaning. Draw a line to connect them.



Choose the Word you know	
.....narrow	.....foolish
.....perches	.....bows
.....recipe	.....chilly
.....foreign	

- |            |                                  |
|------------|----------------------------------|
| 1. foolish | .....cool                        |
| 2. recipe  | .....from a different country    |
| 3. narrow  | .....silly                       |
| 4. chilly  | .....directions for cooking food |
| 5. foreign | .....skinny                      |

**Directions** Write the word from the box that best completes each sentence below.

6. Watch the red bird as it \_\_\_\_\_ on the branch. perches
7. After he sings, he \_\_\_\_\_ to the audience. bows
8. The gap was too \_\_\_\_\_ for me to squeeze through. narrow
9. He moved here from a \_\_\_\_\_ country called Sudan. foreign
10. My stepmother wrote that \_\_\_\_\_ for beef stew. recipe

## Write a Recipe

On a separate sheet of paper, write a recipe for something you like to eat or drink. It can be something simple, like chocolate milk or a sandwich. Use as many vocabulary words as possible. Students' writing should use vocabulary in a simple recipe for a food they like.

**Home Activity** Your child identified and used vocabulary words from *Happy Birthday Mr. Kang*. Have your child plan a menu for dinner or help you prepare food from a written recipe. Encourage your child to use vocabulary words in conversations.

## Abbreviations

An **abbreviation** is a shortened form of a word. Many abbreviations begin with a capital letter and end with a period.

- Some titles used for names of people are abbreviations. For example, *Dr.* is the abbreviation for *Doctor*. The title *Miss* is not abbreviated.  
Mr. Don Lee Chang Ms. Lucy Ruiz Mrs. Maya Levin
- An **initial** is the first letter of a name. It is written with a capital letter and is followed by a period.  
Mr. Don L. Chang L. T. Ruiz M. E. Levin
- The names of days and months can be abbreviated. *May*, *June*, and *July* are not abbreviated.

### Days of the Week

Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

### Months of the Year

Jan. Feb. Mar. Apr. Aug. Sept. Oct. Nov. Dec.

**Directions** Write each abbreviation. Be sure to capitalize letters and use periods correctly.

1. Mrs W. Wenders Mrs. W. Wenders
2. j r Burton J. R. Burton
3. sat, aug 4 Sat., Aug. 4
4. ms T j. Matthews Ms. T. J. Matthews

**Directions** Some abbreviations can be used in sentences. Find the word that can be abbreviated in the sentence below. Write the sentence with the abbreviation.

5. Mister Alexis got a pet bird when he moved to this country.  
Mr. Alexis got a pet bird when he moved to this country.

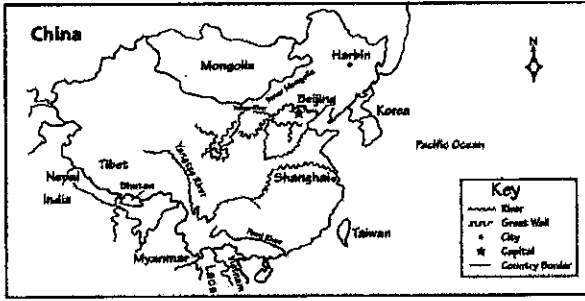


**Home Activity** Your child learned about abbreviations. Look through the mail with your child. Have him or her identify abbreviations used for people's names and titles.

## Maps

Maps are drawings of places that show cities, states, and countries. Maps can show the location of landforms, bodies of water, and other important places.

Directions Look at the map of China. Then answer the questions.



1. What are two countries that border China?

Possible response: India and Nepal

2. Which river is located in southern China?

Pearl River

3. The Great Wall runs along the border of which region?

Inner Mongolia

4. The capital of China is located close to which body of water?

Pacific Ocean

5. Is Mongolia a country, or is it part of China? How can you tell?

A country. There is a country border symbol all around it.



**Home Activity** Your child answered questions about a map of China. Together, look at maps of different countries. Find countries that are divided into states, provinces, regions, and so on. Look for each country's landforms, bodies of water, cities, and the capital.