## By Meg Leonard

John F. Kennedy was the thirty-fifth president. He was born in Massachusetts in 1917. He went to school at Harvard. After college, he joined the Navy. He served in World War II. He was a hero. In 1953, he was elected to the Senate. Kennedy married his wife, Jacqueline, the same year. In 1955, he wrote a book called Profiles in Courage. The book won an award. The award is called the Pulitzer Prize. This award is given for outstanding achievement in literature. In 1960, Kennedy was nominated for president. He beat Richard Nixon in a close election. Kennedy was the youngest person to ever be elected president. There was tension between the United States and Russia while Kennedy was president. This was called the Cold War. Kennedy had to try to keep the peace. Kennedy fought for equal rights for all Americans. He supported new laws for civil rights. He also created the Peace Corps. In 1963, Kennedy was shot while he was riding in a car in a motorcade in Texas. The country was shocked and saddened by his death.


John F. Kennedy

## Questions

1. Who was John F. Kennedy?
A. the thirty-second president
B. the thirty-first president
C. the thirty-fifth president
D. the thirty-fourth president
$\qquad$ 2. Where did Kennedy go to school?
A. West Point
B. Princeton
C. Harvard
D. Yale
2. In which branch of the military did Kennedy serve?
A. Air Force
B. Army
C. Marines
D. Navy
3. What award did Kennedy win for a book that he wrote?
A. Newbery Honor Award
B. Nobel Prize
C. Pulitzer Prize
D. Coretta Scott King Award
4. Name two countries involved in the Cold War.


How much is this?


Write these numbers in
order from smallest to
largest.
$137,123,121,186,209$
$-\quad-\quad-\quad ~$

Name:


Name:

$\qquad$
Jenna bought a clown mask. It made her laugh. It made her brother laugh. It was a very funny mask. It cost $\$ 2.26$. Jenna gave the clerk $\$ 4$. How much change did she get?

Mr. Jackson baked 27 biscuits. He sold 22 biscuits. How many were left?

Jessica wrote her goals in a blue book. She bought the book at Mark's Books. It cost $\$ 4.64$. She paid for it with a $\$ 5$ bill. How much change did she get?

Nathan had a rock collection. He glued his rocks on poster boards. He had four pieces of poster board. Each piece of poster board had nine rocks on it. How many rocks did Nathan have in all?

Write how much to add or subtract.

22

13
 4
6


10

3

8
13

Name:
Cross off the letter or number that does NOT belong.

$$
y, y, 5, y, 5, y, 5, y, 5, y, 5, y, 5, y, 5
$$

Why does $\qquad$ not belong in the pattern?

Cross off the letter that does NOT belong.
I, G, J, J, L, K, M, L, P, M, S, N, V

Why does $\qquad$ not belong in the pattern?

## Chickens

## By Cindy Grigg

A chicken is a bird. Birds are the only type of animal that has feathers. There are more chickens on earth than people! That's because people raise chickens for their eggs and for their meat.

Most farms have some chickens. People like to eat chicken eggs. All birds, including chickens, lay eggs. Female birds lay eggs. Chickens are an important food source for people.

A male chicken is called a rooster or a cock. A hen is a female chicken. A chicken has two legs. A chicken has two wings. All birds have two wings, but not all birds can fly.

You may have heard someone say that something is "as rare as hen's
 teeth." This is a joke because hens do not have teeth. No birds have teeth. Instead, birds have a beak. Inside their bodies, chickens have a special body part called a gizzard. The gizzard is a tough, muscular organ that helps the chicken grind up its food. Chickens often swallow small rocks. The rocks go into the gizzard. The rocks help grind up food.

A chicken likes to peck. This is how it eats food. Chickens eat many different types of food. They like to eat grains like wheat or corn. They like to eat seeds. They like to eat insects and worms. They even like to eat leftover food from the kitchen!

Baby chickens are called chicks. Some chickens are white. Some are brown. Some are black. Some even have speckled feathers. When a white chick first hatches out of its egg, it is small and has yellow feathers. As the baby chick grows, its feathers will change from yellow to white.

Chickens are active during the day. Roosters make a loud crowing sound. Roosters are larger than hens and are more brightly colored. Both hens and roosters have a red comb on top of their head. Roosters' combs are bigger than hens'. A group of chickens is called a flock.

Chickens

## Questions

1. What do birds have that other animals don't?
A. wings
B. feathers
C. eggs
D. two legs
2. Which type of chicken lays eggs?
A. rooster
B. chick
C. hen
3. What do chickens NOT eat?
A. grains
B. worms
C. seeds
D. people
$\qquad$ 4. A baby chicken is called a:
A. hen
B. chick
C. cock
D. rooster

5 . What is a male chicken called?
A. rooster
B. hen
C. chick
6. What is a female chicken called?
A. rooster
B. chick
C. hen
D. cock
$\qquad$ 7. Chickens have teeth.
A. true
B. false
8. A chicken has four legs and a beak.
A. true
B. false
9. A white chicken will hatch a baby chick that is yellow.
A. false
B. true
10. A group of chickens is called a:
A. comb
B. nest
C. flock
D. beak

Rosa started school with 9 pencils in her desk. She counted her pencils. She only has 4 . How many pencils has she used?

Anne loves reading. She read 3 books this month. She plans to read 8 more. How many books will she read this month?


Anna has 9 squishies. She collects them! She has 4 red ones. The rest are yellow. How many squishies are yellow?

Name: $\qquad$

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.
Example:


Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.
Exactly one of the four numbers has to be one of these numbers: 1,2 , or 3. The other three numbers have to all be DIFFERENT and must be from these: $4,5,6$, or 7.


Name: $\qquad$
Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 1, 2, or 3. The other three numbers have to all be DIFFERENT and must be from these: $4,5,6$, or 7.


## Those Mighty, Mighty Ants!

## By Mary Perrin

Ants are amazing insects. They live in colonies. Each colony is a system of ants that work together and depend on one another in order to live. Each colony has worker ants, soldier ants, and one or two queen ants. They do different jobs. Each job is important. The colony would not do very well if a job did not get done. Every ant does its part. The worker ants must move the quickest. The worker ants are responsible for many jobs. Worker ants do not live very long. They collect food for the colony, they look after the queen's eggs, and they work hard to keep the nest and tunnels clean. If there are no soldier ants nearby, worker ants also protect the nest.

The nest may be made underground, beneath rocks, or inside old trees. It is common to see mounds of dirt, or ant hills, on the ground. These ant hills surround an entrance to the nest. As the ants tunnel through the ground or other material, some must be removed. The material is carried out of the tunnels and placed outside the entrance. This forms an ant hill.

Like other insects, ants have six legs. Ants use their strong legs to help
 them move quickly around the nest. Ants also have three main body parts. They are called the head, thorax, and abdomen. These three body parts allow ants to carry large amounts of weight. Ants can lift twenty times their body weight. For example, if your body weighs fifty pounds, you would be able to lift one thousand pounds all by yourself. That requires a lot of strength. Ants also have two stomachs. They have an extra stomach to store food for the other members of the colony.

The next time you see an ant on the sidewalk or climbing around on a leaf, remember that the little ant is doing its very important job. When all the ants do their special jobs, they create something wonderful: an ant colony complete with a nursery for larvae (baby ants), a dump where they put their waste, and even a kitchen where they store all their food. Ants may be tiny, but they are mighty!

Those Mighty, Mighty Ants!

## Questions

1. Ants live and work together in a group called a $\qquad$ .
2. You weigh seventy pounds. How much weight could you lift if you were an ant?
A. 14 lbs .
B. $1,400 \mathrm{lbs}$.
C. $7,014 \mathrm{lbs}$.
D. 70 lbs .
3. How many more stomachs do ants have than humans?
A. three
B. one
C. two
D. four
4. Baby ants are called $\qquad$ .
A. queens
B. annettes
C. worker ants
D. larvae
5. Queen ants live longer than $\qquad$ ants.
A. army
B. worker
C. male
D. female


There were nineteen kids on the playground. Five of them came inside to read. How many kids are still on the playground?

Find three ways to make 7.

$$
\ldots^{+} \ldots=7
$$

$\qquad$ $+$ $\qquad$ $=7$

$$
\ldots^{+} \ldots=7
$$

$$
16+
$$

$\qquad$ $=20$

$$
\ldots+17=24
$$



94, $\qquad$ — $\longrightarrow \longrightarrow, 100$
$\square$
$\qquad$

Rose collects Frigid Dolls. She has 14 of them in the fridge. For her birthday she got 9 more. How many does she have now?


Mary helped her mother pick up pecans. The pecans had fallen off the tree. Mary picked up 24 pecans. Her mother picked up 36 pecans. How many pecans did Mary and her mother pick up in all?

Sarah needs to make 17 pretzels. She has made 11 pretzels. How many more pretzels does she need to make?

17, $\qquad$ , $\qquad$ 20, 21, 22,

23, $\qquad$ ,
$\qquad$

Mr. Garcia had a stack of 48 sandwiches. He put 4 sandwiches, 4 pickles, some chips, and 6 cookies on each plate. He used all the sandwiches. How many plates of food did he make?

There are 4 nests in the apple tree. There are 3 eggs in each nest. How many eggs are there in all?
$15=\ldots+10$
$18=\ldots+10$
$17=\ldots+10$

Jack spit a watermelon seed 18 feet. Peter spit a seed 13 feet. How much farther did Jack spit his watermelon seed?

Estimate. Write an EVEN number. About how many pencils can you write with at the same time?

There were some marshmallows in the bag. Gavin ate 7. Adam ate 6. There are 14 marshmallows left. How many marshmallows were in the bag before Gavin and Adam ate some?

$$
7+1=
$$

$$
17+1=
$$

Name:

It is very hot today. Jacob drank six cups of water. Jason drank four cups of tea. Jack drank five cups of water. Max drank three cups of water. How many cups of water did the boys drink?

Vera ate two blini. Baba Nina ate one blini. Mama Katya ate five blini. Papa Jeff ate six blini. How many blini did they eat in all?

There were some marshmallows in the bag. Eric ate 6. Adam ate 3. There are 12 marshmallows left. How many marshmallows were in the bag before Eric and Adam ate some?


Name:

## Rating Rocks

## By Cindy Grigg

What would you say if someone asked you to describe a rock in one word? You might say "hard." All rocks are pretty hard, but some are harder than others. How would you rate a rock?

Rocks are made of minerals. A German geologist named Friedrich Mohs (MOWHS) invented a scale to rate the hardness of minerals. He chose ten common minerals. He put them in order from softest to hardest and gave them numbers from one to ten.

Each mineral on the scale will scratch those with lower numbers. For example, calcite is number three on the scale. It will scratch minerals one (talc) and two (gypsum). Your fingernail can also scratch minerals with a hardness of one or two.

## Mohs' Scale of Hardness

1. talc
2. gypsum
3. calcite
4. fluorite
5. apatite
6. feldspar
7. quartz
8. topaz
9. corundum (ruby, sapphire)
10. diamond

Mohs chose minerals that were easily found. One problem, though, is that the scale is not even. For example, diamond (10) is much harder than corundum (9), but fluorite (4) is only a little harder than calcite (3).

To rate mineral hardness, only a few simple tools are needed. Along with your fingernail, you need a steel nail and a penny. With these, you can test minerals with a hardness of five or less. With Mohs' scale, you can rate the hardness of common minerals.

Rating Rocks

## Questions

1. Who invented the scale to rate the hardness of minerals?
$\qquad$
$\qquad$
2. If another mineral has the same hardness as feldspar, what number would it be on the hardness scale?
3. With the simple tools mentioned in the story, which mineral could you NOT scratch?
A. calcite
B. fluorite
C. talc
D. topaz
4. What is one disadvantage or drawback to Mohs' scale?
A. You need complicated tools to test minerals.
B. The scale is not even.
C. It uses minerals that are easily found.
D. There are no disadvantages to using Mohs' scale.
5. Using the Mohs scale, put these minerals in order from softest to hardest: diamond, calcite, apatite, feldspar.
$\qquad$
$\qquad$
6. Mohs chose ten common minerals. Which word is an antonym for "common"?
A. ordinary
B. rare
C. rock
D. stone
7. How would you rate a rock? Which answer choice best matches the meaning of the word "rate" in that sentence from the story?
A. fee
B. speed
C. rank
D. pace
8. Which choice is an opinion from the story?
A. All rocks are pretty hard.
B. Diamond is the hardest mineral.
C. Calcite is number three on the scale.
D. Each mineral on the scale will scratch those with lower numbers.


Name: $\qquad$
Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?


## What is the sum?

$A+B+C+D+E+F+G$

## Wow! Great job! That's the answer, but do you know how to SPELL the number?

$\qquad$

4 after 19 $\qquad$ 7 before 14 $\qquad$
4 before 19 $\qquad$

1 after 15 $\qquad$ 8 before 18 $\qquad$ 6 before 16 $\qquad$

8 after 17 $\qquad$ 9 before 17 $\qquad$ 1 before 11 $\qquad$

7 after 12 $\qquad$ 5 before 13 $\qquad$ 2 before 12

## By Cindy Grigg

Minmi (Min-mee) was a small armored dinosaur. Its body was about six feet long. Its armor protected it from predators. Its neck and shoulders had big, bony plates. It had spikes sticking out from its hips. It had triangular plates along its tail. It had large armor patches on its nose. Even its belly had armored plates! Minmi is the only armored dinosaur known to have armored plates on its belly. Minmi was the smallest of the armored dinosaurs called Ankylosaurids. Like other Ankylosaurids, it walked on four feet. It was an herbivore. Fossils show that it ate ferns, leaves, seeds, and fruits. It chewed its food with small teeth. The teeth were jagged like steak knives. Minmi had long legs. This might mean that Minmi was a fast runner. Minmi lived in Australia about 110 million years ago. It was named for Minmi Crossing, the place where its fossils were first found.


Meet Minmi

## Questions

1. What did Minmi eat?
A. plants
B. ferns
C. seeds
D. all of the above
2. The writer's main reason for writing this story was to $\qquad$ readers.
A. persuade
B. entertain
C. inform
3. Minmi walked on $\qquad$ feet.
A. two
B. four
4. Minmi is the only armored dinosaur known to have $\qquad$ .
5. What does "herbivore" mean?
A. an animal that eats only plants
B. an animal that eats both meat and plants
C. an animal that eats only meat
6. When and where did Minmi live?

$\qquad$

Peter bought 3 pieces of fudge and 10 sour balls at the sale. The fudge cost 30 cents per piece, and the sour balls cost 7 cents each. How much did Peter spend in all?

Mrs. Walker asked her students to write about Charles Lindbergh. There are 25 students in her class. One-fifth did not do the writing. How many students did write about Lindbergh?

Robert picked 8 blue flowers for his mother. Flowers made his mother smile. He found 2 vases. He put an equal number of flowers in each vase. How many flowers did Robert put in each vase?

```
"Jack Sprat could eat no fat......" Jack ate 3
plates of beans. Each plate had 11 beans on it.
How many beans did Jack eat?
```

| Seven is an odd number. yes no | The Nile River rose 3 feet. It flooded the fields. It rose 6 more feet. How | $\begin{array}{r} 12 \\ +46 \\ \hline \end{array}$ | $\begin{array}{r} 50 \\ +\quad 14 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: |
| 69-2 |  |  |  |

Name: $\qquad$

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

Sample:

Example:

$$
1+2+5+6=14
$$



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 7 or 2.
The other three numbers have to all be DIFFERENT and must be from these: $1,9,5$, or 6 .


Name: $\qquad$
Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.
Exactly one of the four numbers has to be one of these numbers: 3 or 0.
The other three numbers have to all be DIFFERENT and must be from these: 2, 7, 1, or 6 .


By Kathleen W. Redman

Mr. Mason gets up early every morning. He gets up before everyone else in his family. He gets up before most of his neighbors. His day starts very early since he has so much to do during the day. Mr. Mason stays very busy. That's because Mr. Mason is an elementary school principal.

Mr. Mason starts working just as soon as he gets to school. His first job today is to meet with all the kindergarten, first, and second grade teachers. There are new programs he has to discuss with all the teachers. It's a lot to explain, and the teachers have many questions.

Next, Mr. Mason has to make announcements. He tells all the elementary school students about Pajama Day this Friday. All the students may wear pajamas instead of regular clothes. He also tells everyone that there will be a special assembly tomorrow about a new reading program.

After the announcements, Mr. Mason meets with two parents. They are the parents of a boy in fourth grade. The boy hasn't been doing well in math. Mr. Mason
 tells them that a teacher could give their son extra help with math. He said the teacher could also meet with them to show them how to help their son with his homework.

After Mr. Mason helps watch over the cafeteria during lunch, he has to see a little girl about her bad behavior. She's in first grade. She got angry with a classmate and bit her on the head. Mr. Mason explained to the little girl that being angry is okay, but biting someone on the head isn't. He also called the girl's parents to tell them what happened. Mr. Mason spends a lot of time talking to parents.

After all the students go home, Mr. Mason is still as busy as a bee. First, he meets with the after-school teacher and the janitors. He asks the janitors to do an extra good job cleaning the gym for tomorrow's assembly. Then he finishes all the paperwork on his desk. Finally, an hour and a half after all the students have gone home, Mr. Mason gets to go home.

Just like all the teachers, aides, cafeteria workers, and janitors, Mr. Mason does a lot of work every day for his school. He loves his job - even getting up early and talking with first-graders who bite classmates on the head!

A Very Busy Man

## Questions

$\qquad$ 1. "After all the students go home, Mr. Mason is still as busy as a bee." The underlined phrase is a $\qquad$ .
A. hyperbole
B. simile
C. metaphor
D. cliché
2. According to the article, what was the first thing Mr. Mason did after he got to school?
A. made a couple of telephone calls
B. made announcements
C. talked to some parents
D. met with some of the teachers

Name:
3. What did Mr. Mason do during lunchtime?
4. What does Mr. Mason do after he talks with the janitors?
$\qquad$
$\qquad$
5. If the students at Mr. Mason's school go home at 2:30, about what time does he go home?
A. 3:30
B. $4: 00$
C. $2: 45$
D. 6:00
6. Mr. Mason met with a little girl in first grade. What had she done?
7. Mr. Mason doesn't talk to parents very much.
A. false
B. true
8. Mr. Mason really doesn't like his job.
A. true
B. false

Fill in the missing letters. Write e or i.


Name:
Jack spit a watermelon seed 19 feet. Adam spit a seed 13 feet. How much farther did Jack spit his watermelon seed?

Ava sat in a chair. The chair felt good. She read a book. It was a good book. The book had five parts. Each part had six pages. How many pages were in the book?

Mrs. Hall made a peach salad. She spent $\$ 6.61$ on the salad. Miss Jones made a pear salad. She spent $\$ 7.15$ on her salad. How much more did Miss Jones spend than Mrs. Hall?

Adam has 12 tulips. Of the tulips, $\frac{2}{3}$ are red. How many tulips are red?


Sarah started school with 12 pencils in her desk. She counted her pencils. She only has 7. How many pencils has she used?

How much is this?


15 - $\qquad$ $=11$

Name:

Kayla picked some flowers for her mother. She picked 5 yellow flowers. She picked 3 red flowers. She picked 7 blue flowers. She picked 6 pink flowers. How many flowers did she pick in all?

Farmer John planted five rows of corn, ten rows of wheat, two rows of tomatoes, and three rows of strawberries. How many rows did Farmer John plant in all?
$\square$
$\square$


Ava has twelve cousins. Five of them live in a big city. How many of her cousins do not live in a big city?

46, 47, $\longrightarrow$ —— 52

Anna loves reading. She read 3 books this month. She plans to read 9 more. How many books will she read this month?

Connor has many shells. He found them at the beach. He put them in groups of 12. He has 3 groups and 6 shells left over? How many shells does he have?

$$
\begin{aligned}
& 19,20, \ldots, 22, \ldots \\
& -, 26, \ldots \\
& -29,30
\end{aligned}
$$



## Estimate. Write an EVEN number. About how many pencils can you hold in your hand?

$$
\begin{array}{r}
19 \\
+20
\end{array}
$$

Circle the words.

## twiceherfunnybagyourcaseballoonshakepetcashmade

$\qquad$

Anna still has a baby pool in her garage. No one has used it in ages, so she decided to invite all her friends over for a pool party. All her friends and their dogs, of course. She texted Sarah, "Can you come over? It's Duke's birthday. He wants a pool party."
Sarah quickly walked her dog over to Anna's house. "Down, Max!" ordered Sarah to her pet beagle.
David also came with his pet dog, Lucy. She quickly ran after Max, and they both splashed in the pool.
"Aw. They are best friends," said Sarah. "How old is she?"
"I forget," said David. "But I know we got her the same year Anna got hers." "Yeah," interrupted Anna. "Duke and Lucy are younger than Max. Not by much though! And Lucy is just a little bit older than Duke."
Which dog is the youngest?

Which dog is the oldest?



