

Read the story. Then answer the questions that follow.

In the Cam Jansen series of books, author David Adler tells stories of Cam Jansen solving mysteries with her photographic memory. In this adventure, Cam goes with her friends Eric, Diane, and Donna to see their father graduate from college. When they are ready to leave the field where the graduation took place, Grandpa cannot find a very important bag. Cam must put together clues from her memory to figure out where Grandpa's bag could have gone.

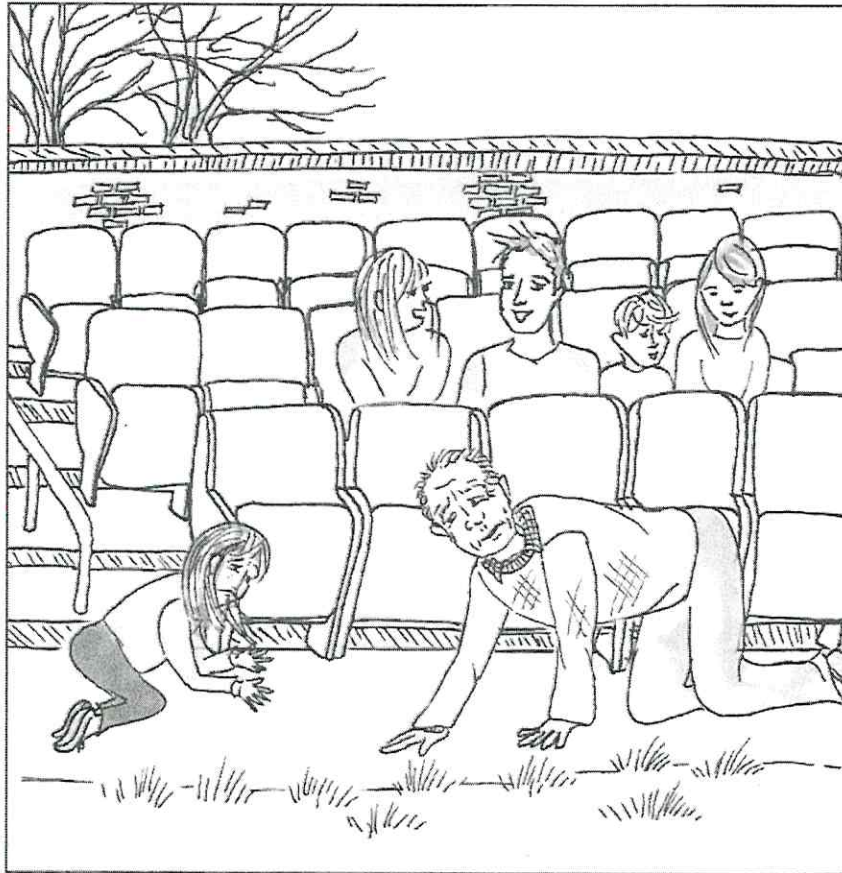
from *Cam Jansen and the Graduation Day Mystery*

by David J. Adler

Chapter 3

- 1 Grandpa opened the bag. He took out a small toy train.
- 2 "Is that the present you got for Dad?" Diane asked. "If he doesn't want it, I'll take it!"
- 3 Grandpa shook his head.
- 4 "This toy is not mine."
- 5 He looked in the bag and said, "None of the things in here are mine."
- 6 Eric said, "That train looks like the one Harry had. He sat behind us."
- 7 Grandpa looked under his chair. He looked under all the chairs in the row.
- 8 "Please," he said. "Help me find my bag. There's something very valuable in it."
- 9 "I know what's so valuable," Diane said. "It's the surprise you have for Dad."
- 10 The Sheltons and Cam looked under all the chairs in their row and the ones in the nearby rows, too.
- 11 "Look what I found," Diane said. "Lots of programs. When Donna and I get home we can have a pretend graduation. I'll be the president and make a really long speech."
- 12 "And I'll be a graduate," Donna said. "I'll get a pildoma."
- 13 "Diploma," her mother said.
- 14 "Grandpa," Diane said. "Maybe you took the bag with you when you went to take Dad's picture. Maybe the bag is all the way up front."
- 15 Grandpa shook his head and said, "No, I took the camera out of the bag when I walked to the front. Then I put it back."

- 16 "I'm going to look up front," Mr. Shelton said. "In a big crowd sometimes things get moved."
- 17 Cam and Eric went with him.
- 18 The cat followed them.
- 19 Grandpa, Mrs. Shelton, and the twins continued to look near their seats.
- 20 Cam, Eric, and Mr. Shelton walked through the crowd of people leaving the field.
- 21 "Look carefully at what everyone is carrying," Eric said. "Maybe someone has Grandpa's bag."
- 22 "Is it just a regular small brown shopping bag?" Mr. Shelton asked.
- 23 Cam closed her eyes. She said, "Click!"
- 24 Cam bumped into a tall man wearing a black cap and gown.
- 25 "Excuse me," the man said.
- 26 She bumped into the cat.
- 27 *Meow!*
- 28 Eric took Cam's hand.
- 29 "Yes," Cam said with her eyes still closed. "I'm looking at the picture I have in my head of Grandpa's shopping bag, and it's brown and not very big. It has two small brown rope handles."
- 30 Cam opened her eyes.
- 31 "I haven't seen anyone carrying a bag like that," Mr. Shelton said.
- 32 They looked under rows and rows of chairs near the platform, but they didn't find the bag.
- 33 "Let's go back," Mr. Shelton told Cam and Eric. "It's not here."
- 34 As they walked back to where Eric's family was sitting, they looked under all the rows of chairs.
- 35 When they got back, Mrs. Shelton was still holding Howie. He was sleeping. Grandpa was next to them. On the chair on the other side of Grandpa was the bag with the toys, animal crackers, and apple juice.
- 36 "We didn't find it," Mr. Shelton told Grandpa.
- 37 "This is terrible," Grandpa said. "The gift I had in there can't be replaced. And my camera with all my pictures of the graduation is also in there."
- 38 "Is the gift worth lots of money?" Donna asked.



- 39 “Yes. And it’s been in the Shelton family for almost one hundred years.”
- 40 “I think I know what happened,” Donna said. “I think Harry took Grandpa’s bag.”
- 41 “That’s it!” Diane said. “He took Grandpa’s shopping bag by mistake.”
- 42 “I think she’s right,” Mr. Shelton told his father.
- 43 “Yay!” Diane said. “We did it! Donna and I solved the mystery.”
- 44 “You solved one mystery,” Cam said, “but Grandpa Shelton still doesn’t have his bag. Maybe someone found it and gave it to the security people.”
- 45 “Now there’s another mystery to solve,” Eric said. “We think Harry took Grandpa’s bag, but where is Harry? We don’t even know his last name. We have to find out who this Harry is and where he is. We have to get Grandpa’s bag back.”

- RL 3.1
12 Clues play an important part in solving the problem of the missing bag in the story *Cam Jansen and the Graduation Day Mystery*.

Circle the object that becomes an important clue in figuring out who has the missing bag.

camera

diploma

toy train

On the lines below, copy a sentence from the opening of the story that gives the first clue about who most likely has Grandpa's bag.

- RL 3.2
13 Which of the following retells what happens in *Cam Jansen and the Graduation Day Mystery*?

- A The Sheltons figure out that Harry took the bag. They look under all the chairs. Cam thinks about what the bag looks like. Then, everyone searches for Harry.
- B Grandpa's bag is missing. Everyone looks for it, but no one can find it. The characters have to think about where the bag might be. They figure out who took it.
- C Grandpa puts something important in his bag. Everyone looks for the lost bag. They go to find Harry, who took it. Cam remembers what the bag looks like.
- D Everyone searches under the chairs. Grandpa learns his bag is missing. Eric remembers Harry playing with a train. They look for Harry's train in another bag.

Go On

- 14** Select two sentences that best describe Cam in *Cam Jansen and the Graduation Day Mystery*.
- RL3.3
- A She can remember things very clearly.
 - B She makes guesses not based on facts.
 - C She doesn't like answering questions.
 - D She wishes Grandpa had been more careful.
 - E She thinks hard about how to solve problems.
 - F She would rather work alone than with others.

- 15** The following question has two parts. First, answer part A. Then, answer part B.

Part A

- RL3.4 What does the word "valuable" mean in paragraph 8 of *Cam Jansen and the Graduation Day Mystery*?
- A hard to replace
 - B easily broken
 - C very beautiful
 - D a few years old

Part B

- RL3.1 Which sentence from the story best supports the answer to part A?
- A "It's the surprise you have for Dad."
 - B "This is terrible," Grandpa said.
 - C "Is the gift worth lots of money?" Donna asked."
 - D "And it's been in the Shelton family for almost one hundred years."

- 12637
- 16** What does the picture in *Cam Jansen and the Graduation Day Mystery* show you about Cam and Grandpa?
- A** They are about to find the bag under the chairs.
 - B** Grandpa is not sure what to do, but Cam knows where to look.
 - C** Grandpa is hopeful the bag will be found, but Cam is not.
 - D** They are worried because they can't find the bag.

Go On

Read the article. Then answer the questions that follow.

Sleep and the Brain

by Amanda Eggers

1 Have you ever stayed up way too late at night? How did it make you feel the next morning? Without enough sleep, you probably woke up feeling pretty bad. Maybe you had a hard time focusing at school. Maybe you even fell asleep at your desk!

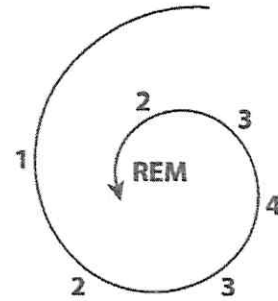
2 Everyone needs sleep. Our brains must have a time to rest and recover from all the thinking we do during the day. For many years, scientists believed that the brain turned off during sleep. But now, new machines can tell what is happening inside people's brains—even when they are asleep. These machines can take pictures of the brain. The pictures show the areas of the brain that are active and at rest.

3 What have scientists learned from these machines? To their surprise, they have learned that our brains can be very active during sleep. Scientists now know that our brains go through five different stages of sleep. We don't go through the stages exactly in order, but they do follow a pattern, or cycle. At some points in the cycle, our brains are resting. But at other times, they are very busy. What exactly does the brain do during sleep?

SLEEP CYCLE

Stage	What Happens
Stage 1	Light sleep. Muscle action slows down.
Stage 2	Breathing and heart rate slow down.
Stage 3	Deep sleep. Brain waves change.
Stage 4	Very deep sleep. Breathing is even and slow.
Stage 5	Rapid Eye Movement (REM). Dreaming begins.

4 As you go through the stages, your body becomes more and more still until it is completely motionless. Your brain becomes more and more still, too—until you begin to dream. Dreaming only happens during Stage 5, also called REM sleep. In this stage, your brain is almost as active as when you are awake. But your body is completely still—all except for your eyes. REM stands for Rapid Eye Movement. During this kind of sleep, your eyes move quickly from side to side, like you are watching a tennis game. The rest of your body is unable to move at all.



5 But why does the brain go through this cycle? Scientists now know that there are many reasons why sleep is so important. Studies show that people who get more deep sleep do better on tests. They remember things better. They are more likely to stay healthy. One test even showed that people were stronger after they had slept well! Even though scientists have a lot more to learn, they agree on the importance of a good night's sleep.

- P-132*
- 17** Select **two** sentences that match what the writer of "Sleep and the Brain" mainly suggests about sleep.
- A** A person who sleeps well will probably do better in work or school.
 - B** The order of the stages of sleep explains why people have dreams.
 - C** Dreaming often makes you feel as if you are watching a tennis game.
 - D** People who sleep well are always stronger than people who don't.
 - E** You need to keep your body and eyes motionless in order to sleep well.
 - F** Our brains go through stages of both rest and activity when we sleep.

Go On

18 Read this sentence from the article "Sleep and the Brain."

RJ 3.4 At some points in the cycle, our brains are resting.

Which phrase helps you understand what the word "cycle" means?

- A "active during sleep"
- B "stages of sleep"
- C "follow a pattern"
- D "brains are resting"

19 The following question has two parts. First, answer part A. Then, answer part B.

Part A

RJ 3.3 If a sleeping person is showing Rapid Eye Movement (REM), what else is happening at this stage?

- A The person's brain is turned off and breathing slows.
- B The person's sleep cycle is starting and muscles start to relax.
- C The person's head moves like it is watching a tennis game.
- D The person's eyes move but the rest of his or her body is perfectly still.

Part B

RJ 3.1 Which sentence from the article best supports the answer to part A?

- A "For many years, scientists believed that the brain turned off during sleep."
- B "But your body is completely still — all except for your eyes."
- C "During this kind of sleep, you eyes move from side to side, like you are watching a tennis game."
- D "Scientists now know that there are many reasons why sleep is so important."

- RJ 3.6* **20** Which of these statements about sleep would the author of "Sleep and the Brain" most likely agree with?
- A** People who sleep more are often unhealthy.
 - B** There are probably more than five sleep stages.
 - C** Scientists should study sleep without machines.
 - D** Getting plenty of sleep can make you feel better.
- RJ 3.7* **21** How does the illustration in "Sleep and the Brain" help readers understand the article?
- A** It shows the brain during sleep.
 - B** It shows how the machines work.
 - C** It shows the order of sleep stages.
 - D** It shows why doctors study sleep.
- RJ 3.8* **22** Arrange the events described in the article in the order in which they happened. Tell the correct order of events by writing the numbers 1 to 5 on the blank before each sentence.
- _____ Scientists invent machines that can tell what is happening in people's brains.
 - _____ Scientists discover that our brains are often active during sleep.
 - _____ Scientists learn that our brains go through five different stages of sleep.
 - _____ Scientists believe that people's brains turn off during sleep.
 - _____ Scientists use the new machines to study how people sleep.

Go On

Choose the correct answer.

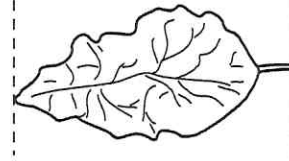
1. Jasmine looks at a clock when she arrives at school.



What time is shown on the clock that Jasmine looks at?

- (A) seventeen minutes before nine
(B) seventeen minutes after nine
(C) seven minutes after eight
(D) seventeen minutes after eight
2. Rory started playing a computer game at 3:15 P.M. and finished playing at 3:51 P.M. For how long did Rory play the computer game?
- (A) 26 minutes (C) 36 minutes
(B) 31 minutes (D) 41 minutes
3. Mrs. Bromley pours 26 liters of cold water and 17 liters of warm water into a pail. What is the total liquid volume of water in the pail?
- (A) 9 liters (C) 41 liters
(B) 33 liters (D) 43 liters

4. Kyle uses an inch ruler to measure a leaf.



What is the length of the leaf to the nearest half inch?

- (A) $\frac{1}{2}$ inch
(B) 1 inch
(C) $1\frac{1}{2}$ inches
(D) 2 inches
5. The Recreation Center has 136 boys and 143 girls signed up for the summer camp program. How many boys and girls are signed up for the summer camp program altogether?
- (A) 179
(B) 279
(C) 297
(D) 972

6. The Fitness Center kept track of the number of people who attended different classes during the week. The table shows how many people attended each type of fitness class.

Type of Class	Number of People
Yoga	134
Step Aerobics	287
Spinning	163

Which is the **best** estimate of how many more people took step aerobics classes than yoga classes during the week?

- (A) 100 (C) 300
 (B) 200 (D) 400
7. Hope writes a number sentence that shows the Commutative Property of Addition. Which could be Hope's number sentence?
- (A) $(9 + 61) + 19 = 9 + (61 + 19)$
 (B) $51 + 0 = 51$
 (C) $43 = 40 + 3$
 (D) $73 + 18 = 18 + 73$

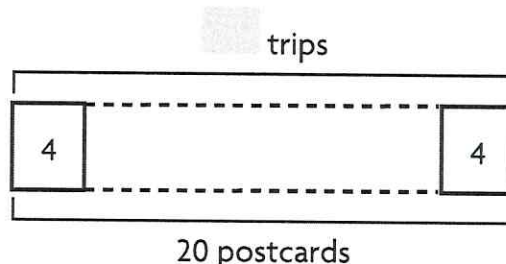
8. There are 935 students in Tanglewood Elementary School. One day, 154 of the students are out of the building for a field trip. How many students are in the building on that day?

- (A) 771 (C) 822
 (B) 781 (D) 881

9. T.J. pays \$6 for some flowers. Each flower costs \$1. How many flowers does T.J. buy?

- (A) 0 (C) 6
 (B) 1 (D) 16

10. Marcel has 20 postcards from his trips. He has 4 postcards from each of his trips. How many trips has Marcel gone on?



- (A) 5 (C) 16
 (B) 8 (D) 24



16. Mr. Hawthorne measures the lengths of three pieces of rope. The first piece of rope is $\frac{1}{4}$ foot long. The second piece of rope is $\frac{1}{2}$ foot long. The third piece of rope is $\frac{1}{3}$ foot long. Which list orders the fractions from **greatest to least**?

- (A) $\frac{1}{3}, \frac{1}{2}, \frac{1}{4}$ (C) $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}$
 (B) $\frac{1}{2}, \frac{1}{4}, \frac{1}{3}$ (D) $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}$

17. Kara was doing her math homework. She wrote:

$$7 + 7 + 7 + 7$$

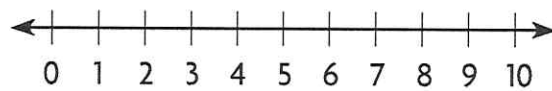
Which is another way to show what Kara wrote?

- (A) 4×7 (C) $7 + 4$
 (B) 7×7 (D) 4×4

18. Miss Smith looked in 5 cupboards for a mug. In each cupboard she found 0 mugs. Which sentence represents the total number of mugs Miss Smith found?

- (A) $5 \times 1 = 5$
 (B) $5 + 0 = 5$
 (C) $5 \times 0 = 0$
 (D) $5 - 5 = 0$

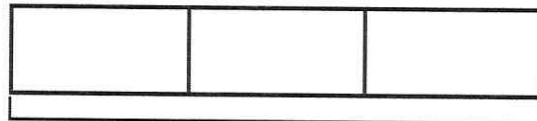
19. Dylan buys 5 packages of pens. There are 2 pens in each package.



How many pens does Dylan buy in all?

- (A) 6
 (B) 7
 (C) 8
 (D) 10

20. A band leader divided the band into 3 groups. Each group had 7 students.



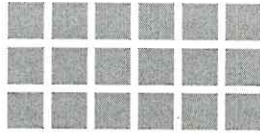
students

How many students are in the band in all?

- (A) 24
 (B) 21
 (C) 18
 (D) 15



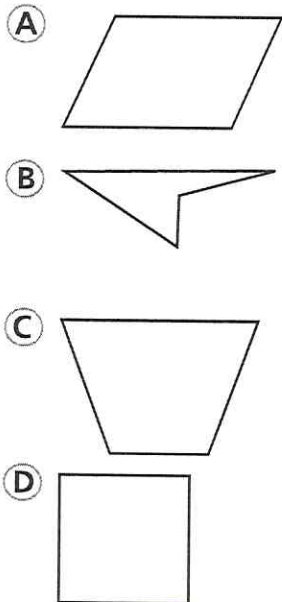
21. Andie drew an array to show the number of tables in the school cafeteria.



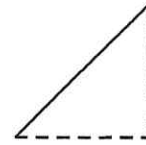
Which multiplication sentence shows the total number of tables in the school cafeteria?

- (A) $3 \times 6 = 18$
- (B) $3 \times 7 = 21$
- (C) $3 \times 3 = 9$
- (D) $2 \times 6 = 12$

22. Kareem draws a quadrilateral with two pairs of sides that appear to be parallel and four right angles. Which shape does Kareem draw?



23. Ryan draws a triangle.



Which word can be used to describe the dashed sides of his triangle?

- (A) parallel
 - (B) perpendicular
 - (C) point
 - (D) quadrilateral
24. Which capital letter appears to have an angle greater than a right angle?
- (A) T
 - (B) L
 - (C) K
 - (D) V
25. Rowan drew a polygon with 8 sides. What is the name of the polygon she drew?
- (A) octagon
 - (B) pentagon
 - (C) hexagon
 - (D) triangle



26. Oni spent \$72 on 8 packages of model airplanes. The cost of each package was the same. What was the cost of each package?

- (A) \$6
- (B) \$7
- (C) \$8
- (D) \$9

27. A store has t-shirts on sale for \$30 each. Mr. Sanderson buys 7 t-shirts for his children. How much does Mr. Sanderson spend in all on the t-shirts?

- (A) \$37
- (B) \$210
- (C) \$270
- (D) \$2,100

28. The coach bought 5 new baseball mitts. Each mitt cost \$20. What was the total cost of the mitts?

- (A) \$10
- (B) \$20
- (C) \$100
- (D) \$210

29. A student makes this table showing the relationship between starfish and the number of starfish arms.

Starfish	2	3	4	5	6
Arms	10	15	20	25	30

Which of the following describes a pattern shown in the table?

- (A) Multiply the number of starfish by 5.
- (B) Add 10 arms for each starfish.
- (C) Add 20 arms for each starfish.
- (D) Multiply the number of starfish by 3.

30. Kaitlin puts her 35 crayons into 7 boxes. Each box has the same number of crayons. How many crayons does Kaitlin put into each box?

$$35 \div 7 = a$$

$$7 \times a = 35$$

- (A) 4
- (B) 5
- (C) 6
- (D) 7



31. Paul has 30 tomato plants in his garden. He has 10 tomato plants in each row of his garden. How many rows of his garden does he use for tomato plants?

(A) 3
(B) 10
(C) 13
(D) 40

32. Juan has 3 packages of markers. Each package has the same number of markers. His sister gives him 4 more markers. Now he has 28 markers. How many markers were in each package?

(A) 7
(B) 8
(C) 32
(D) 35

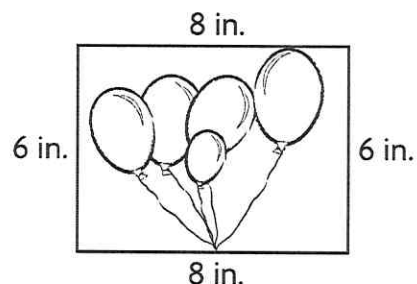
33. Riana uses the order of operations to find the unknown number.

$$1 + 5 \times 4 = b$$

What is the unknown number?

(A) $b = 6$
(B) $b = 20$
(C) $b = 21$
(D) $b = 24$

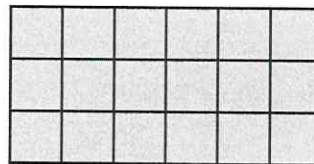
34. Gina wants to put a piece of blue yarn around a picture she drew.



How many inches of blue yarn does Gina need for the perimeter of the picture?

(A) 14 inches
(B) 28 inches
(C) 36 inches
(D) 48 inches

35. The drawing shows Jack's bedroom closet. Each unit square is 1 square foot.

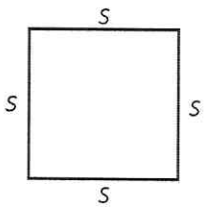


Which equation can Jack use to find the area of his bedroom closet?

(A) $3 + 6 = 9$
(B) $3 + 6 + 3 + 6 = 18$
(C) $2 \times 6 = 12$
(D) $3 \times 6 = 18$

GO ON 

36. Dan uses a ruler to draw a square. The perimeter of the square is 36 centimeters.



What is the length of one side of the square?

- (A) 6 centimeters
- (B) 9 centimeters
- (C) 12 centimeters
- (D) 72 centimeters

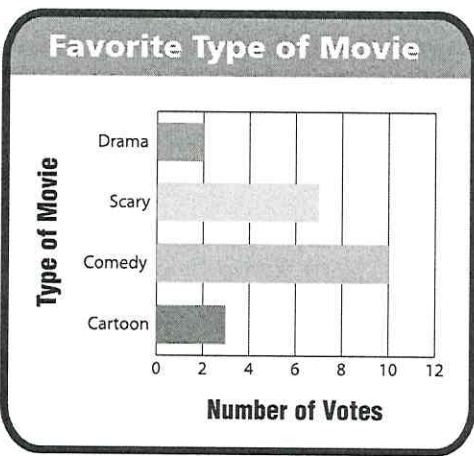
37. There are two dog runs at the animal clinic. The first dog run is 10 feet long and 3 feet wide. The second dog run is the same length as the first dog run. The area of the second dog run is twice the area of the first dog run. What is the width of the second dog run?

- (A) 2 feet
- (B) 3 feet
- (C) 6 feet
- (D) 12 feet

38. John is making a bar graph to show the favorite colors of his classmates. Which color will have the shortest bar in his graph?

- (A) 5 votes for green
- (B) 8 votes for blue
- (C) 2 votes for yellow
- (D) 6 votes for red

39. Lucy made a bar graph to show her classmates' favorite types of movies.



How many more students chose scary movies than cartoon movies?

- (A) 3
- (B) 4
- (C) 5
- (D) 7



40. Heather took a survey to find her classmates' favorite hobbies. Heather shows the number of students who chose each hobby in a tally table.

Favorite Hobbies	
Hobby	Tally
Sports	
Computers	
Music	
Crafts	

How many students chose sports or crafts?

- (A) 10 (C) 14
(B) 12 (D) 16
41. A third-grade class made a picture graph to show the number of sunny days in October. This is the key to their picture graph.

Key: Each ☀ = 4 days.

How many days does ☀☀☀☀ stand for?

- (A) 3 (C) 12
(B) 7 (D) 14

42. A school van has seats for 9 student riders. There are 6 school vans needed for a trip. How many student riders can ride in the vans in all?

- (A) 15 (C) 45
(B) 36 (D) 54

43. A student makes 4 servings of fruit salad. Each serving has 8 blueberries. How many blueberries are needed for all 4 servings of fruit salad?

- (A) 40 (C) 16
(B) 32 (D) 12

44. Tennis balls are sold in tubes that hold 3 tennis balls each. A store stacks 2 rows of tennis ball tubes on its shelf. Each row has 7 tubes in it. How many tennis balls are there in all?

- (A) 42 (C) 14
(B) 21 (D) 6

45. Aidan writes a number sentence that is an example of the Distributive Property. Which shows Aidan's number sentence?

(A) $3 \times 9 = 20 + 7$
 (B) $3 \times 9 = (3 \times 5) + (3 \times 4)$
 (C) $3 \times 9 = 3 \times (5 \times 4)$
 (D) $3 \times 9 = 9 \times 4$

46. Linda wants to make \$0.25 using quarters, dimes, and nickels. How many different ways can she make \$0.25?

(A) 2
 (B) 3
 (C) 4
 (D) 5

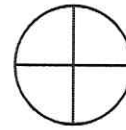
47. Three friends share 4 granola bars equally.



How much does each friend get?

(A) 1 whole and 1 third
 (B) 1 whole and 1 fourth
 (C) 1 whole and 1 eighth
 (D) 1 whole and 1 half

48. Mark divides this shape into equal parts.



What is the name for the parts?

(A) thirds
 (B) eighths
 (C) fourths
 (D) halves

49. Kelly bakes 18 muffins for a bake sale. One third of the muffins are blueberry. How many of the muffins are blueberry?

(A) 2
 (B) 3
 (C) 4
 (D) 6

50. There are 4 students standing in line at the water fountain. Three of the students in line are wearing blue jeans. What fraction of the students in line are wearing blue jeans?

(A) $\frac{1}{4}$
 (B) $\frac{3}{4}$
 (C) $\frac{3}{3}$
 (D) $\frac{4}{3}$



