

# Test Booklet

Subject: MA, Grade: 04

2006 TAKS Released Grade 4 Math Test

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1 Which number has at least 1 line of symmetry?

- A 5
- B 6
- C 7
- D 8

2 In which number sentence does 3 make the equation true?

- A  $21 \div \square = 7$
- B  $21 \times 7 = \square$
- C  $\square \times 21 = 7$
- D  $\square \div 7 = 21$

3 Look at the 2 sets of numbers below.

Set Y
1122
3366
4488

Set Z
1212
1313
1515

Which number belongs in Set Y?

- A 1414
- B 2244
- C 2424
- D 1441

4 The table below shows the distances in feet climbed by 4 rock climbers.

Rock Climbing

Climber	Distance Climbed (feet)
Juan	12,692
Barbara	18,389
Pete	15,075
Li	22,966

Which is the best estimate of how many more feet Li climbed than Juan?

- A 8,000 feet
- B 9,000 feet
- C 10,000 feet
- D 11,000 feet

5 Which single transformation is represented from Figure X to Figure Y below?

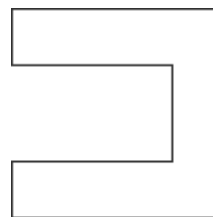


Figure X

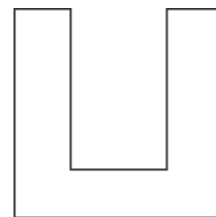


Figure Y

- A Translation
- B Rotation
- C Reflection
- D Not here

- 6 There are 9 tables in a restaurant. Each table can seat only 6 people. Which number sentence shows how to find the greatest number of people who can be seated in the restaurant at one time?

A  $6 + 9 = \square$

B  $9 - 6 = \square$

C  $9 \div 6 = \square$

D  $6 \times 9 = \square$

- 7 The table below shows the years on the pennies Kim has in her pocket.

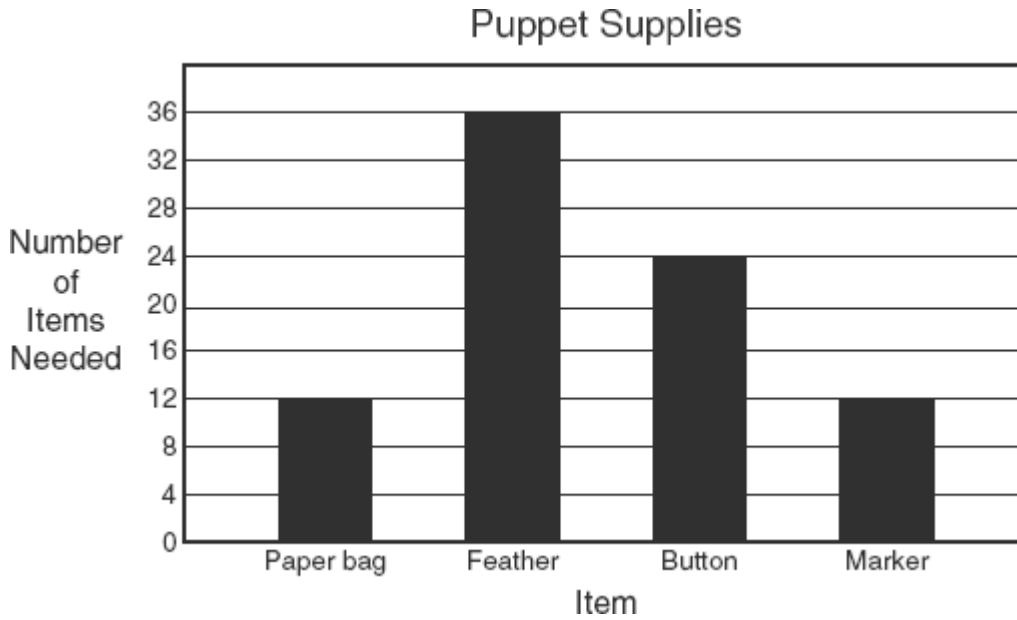
Kim's Pennies

Year on Penny	Number of Pennies
1987	2
1992	2
1994	1
1995	3
1998	2
1999	2

If Kim reaches into her pocket and pulls out 1 penny without looking, what is the probability that the year on the penny will be 1999?

- A 2 out of 6  
B 2 out of 10  
C 2 out of 12  
D 2 out of 13

8 The graph below shows the supplies an art club needs to make puppets.



The feathers will be divided equally among 12 students. How many feathers will each student get?

- A 2
- B 3
- C 12
- D 36

- 9 The table below shows the number of square pyramids and the number of faces on these square pyramids.

Faces on Square Pyramids

Number of Square Pyramids	Number of Faces
4	20
8	40
12	60

Which correctly describes the relationship in the table?

- A Number of square pyramids + 16 = number of faces  
B Number of square pyramids + 32 = number of faces  
C Number of square pyramids  $\times$  4 = number of faces  
D Number of square pyramids  $\times$  5 = number of faces
- 
- 10 A beetle crawled up and down a plant 4 times each day for a week. What information is needed to find the total distance the beetle traveled during the week?
- A The plant's height  
B The beetle's length  
C The weather during the week  
D The type of plant

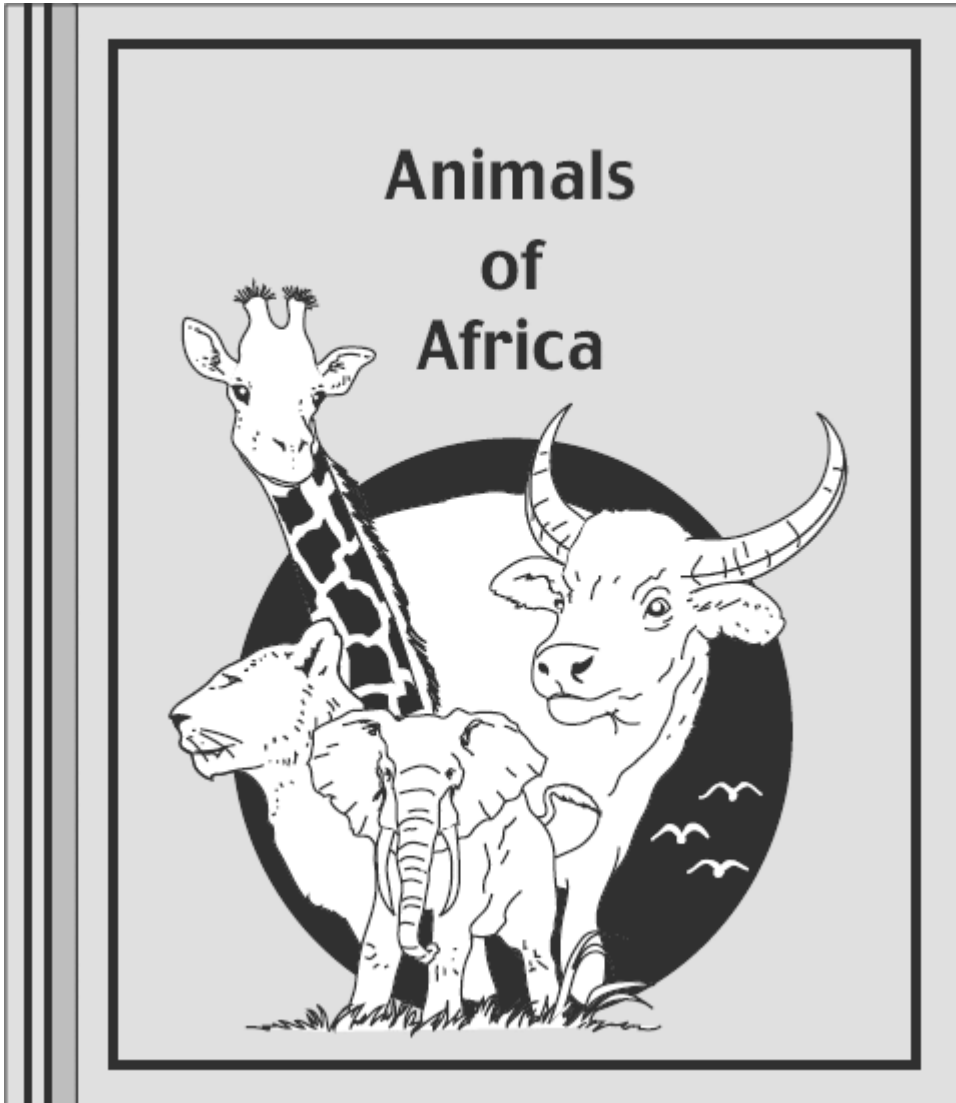
- 11** Mr. Henderson is a guest reader for 6 classes at Thompson Elementary School. He plans to read a different story to each of the classes listed below.

Class	Reading Time
1	23 minutes
2	26 minutes
3	23 minutes
4	26 minutes
5	25 minutes
6	25 minutes

Mr. Henderson can stay for only  $2\frac{1}{4}$  hours. Which strategy can he use to find whether he has enough time for all 6 classes?

- A** Add all the reading times together to decide whether the sum in minutes is more or less than 6 classes
- B** Draw a picture of himself with each of the 6 classes
- C** Add all the reading times together to decide whether the sum in minutes is more or less than  $2\frac{1}{4}$  hours
- D** Multiply 6 classes by 26 minutes

- 12** Use the ruler on the Mathematics Chart to measure the four sides of the front cover of this book to the nearest inch.



What is the perimeter of the front cover of the book?

- A 24 inches
- B 22 inches
- C 20 inches
- D 18 inches

13 Zelda drew the cat's head shown below.



Which part of the cat's head appears to have acute angles?

- A Eyes
- B Nose
- C Ears
- D Mouth

**14** The table below shows the number of points scored by Team A and Team B during 2 parts of a game show.

Game Show

	Part 1	Part 2
Team A	320 points	610 points
Team B	590 points	490 points

How many more points in all did Team B score than Team A?

- A 50
- B 150
- C 190
- D 270

**15** Exactly 90 players signed up to play in a baseball league. There were 10 players on each team. Which number sentence is in the same fact family

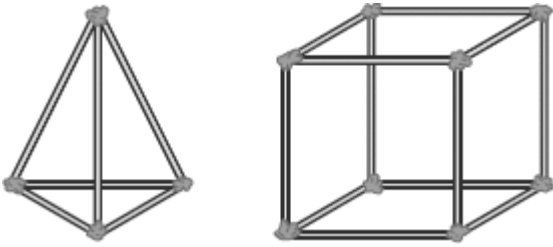
as  $90 \div 10 = \square$ ?

- A  $9 \times \square = 90$
- B  $90 \times 10 = \square$
- C  $\square \times 90 = 10$
- D  $9 \times 90 = \square$

**16** Jenna has 12 days left to read a 192-page book for a report. She has already read 60 pages. Which would be the best way for Jenna to find how many pages she should read each day to finish the book on time?

- A Subtract 12 from 192 and then divide by 60
- B Multiply 60 by 12
- C Divide 192 by 12
- D Subtract 60 from 192 and then divide by 12

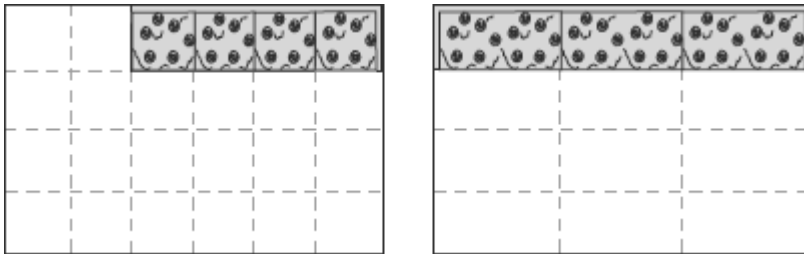
- 17 Corinne made the 2 models shown below by connecting straws with pieces of clay.



If Corinne counts the number of straws she used for both models, what information will she have?

- A The total number of vertices
- B The total number of edges
- C The total number of faces
- D The total number of angles

18 The two pans of brownies below show what was left after several students finished eating.



Which of the following compares the portion of brownies left in each pan?

- A  $\frac{4}{24} < \frac{3}{12}$
- B  $\frac{3}{24} > \frac{4}{24}$
- C  $\frac{4}{20} > \frac{3}{9}$
- D  $\frac{4}{12} < \frac{3}{12}$

19 Leslie reserved a computer at the library for a 5-hour period. Her starting time is shown on the clock below.



At what time should Leslie's computer period end?

- A 3:30 P.M.
- B 2:30 P.M.
- C 1:30 P.M.
- D 9:30 P.M.

20 Three brothers worked around their neighborhood to earn money to buy concert tickets. The table below shows the amount of money earned by each brother.

Money Earned

Brother	Amount of Money
Josh	\$12
Cody	\$9
Tyler	\$11

After putting their money together, the brothers bought 3 tickets that cost \$10 each. Which shows the amount of money the brothers had left?

- A \$12
- B \$2
- C \$32
- D \$22

**21** Aaron exercises every day of the week. If he does 25 jumping jacks each day, how many jumping jacks will he do in 1 week?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

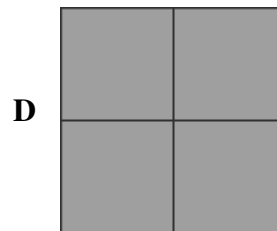
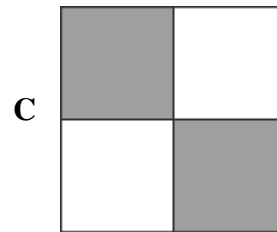
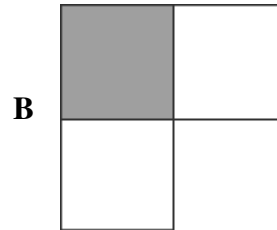
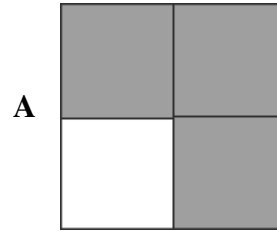
**22** A class is going on a field trip. Each group of 5 students will need an adult helper. What can the teacher do to find out how many adult helpers are needed?

- A Multiply the total number of students by 5
- B Add 5 to the total number of students
- C Subtract 5 from the total number of students
- D Divide the total number of students by 5

**23** The model is shaded to represent a fraction.

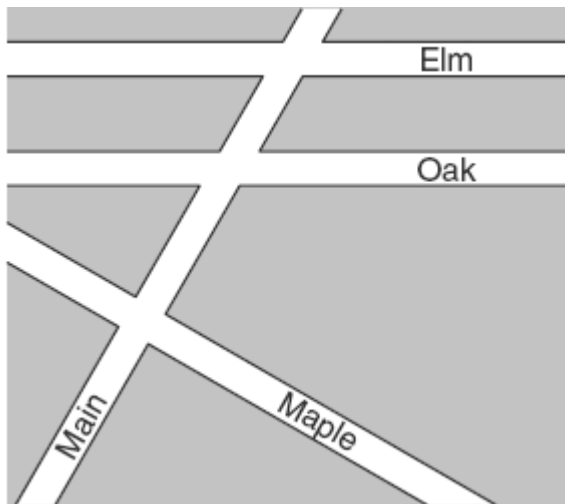


Which model below shows an equivalent fraction?



- 24** Greg would like to cover a wall of his room with posters. He needs to know the area of the wall before he buys the posters. The wall is 12 feet wide and 8 feet high. What is the area of the wall?
- A 20 square feet
  - B 40 square feet
  - C 84 square feet
  - D 96 square feet
- 25** Ms. Powell has donated a total of \$348 to a library during the past 4 years. She has donated the same amount of money each year. How much money has Ms. Powell donated to the library in each of the past 4 years?
- A \$82
  - B \$87
  - C \$352
  - D \$344

26 Look at the map below.



Which streets appear to be perpendicular to each other?

- A Main and Maple
- B Elm and Oak
- C Oak and Main
- D Oak and Maple

27 Callie is measuring an object's mass in grams. Which of the following objects is she most likely measuring?

- A Her desk at school
- B The pen from her pocket
- C A dictionary at the library
- D Her mother's car

28 Which pair of numbers best completes this table?

Number	Number $\times$ 10
625	6,250
304	3,040
158	1,580

- A 

819	8,190
-----	-------
- B 

320	3,220
-----	-------
- C 

405	4,005
-----	-------
- D 

271	2,107
-----	-------

29 Lorraine had a box of 300 crackers. After she and her brothers ate some crackers, there were 78 crackers left in the box. Which question can be answered with this information?

- A How many brothers does Lorraine have?
- B How many crackers did one of Lorraine's brothers eat?
- C How many of Lorraine's brothers ate crackers?
- D How many crackers were eaten by Lorraine and her brothers?

30 Hanady's school recycles phone books for the community. Hanady is stacking phone books on a cart that can hold up to 35 pounds of weight. If 1 phone book weighs about 3 pounds, what is the greatest number of phone books that Hanady can safely stack on the cart?

- A 15
- B 33
- C 11
- D 38

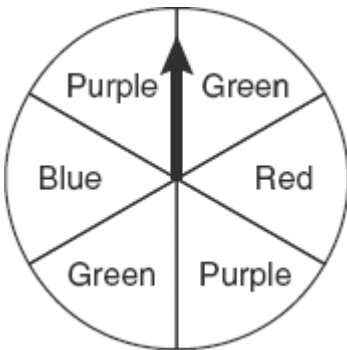
- 31 The table below shows the regular prices of some shirts and the prices with a coupon.

Shirt Prices

Regular Price	Price with Coupon
\$17	\$12
\$21	\$16
\$25	\$20
\$29	\$24

Based on the information in the table, which could be the discount offered with the coupon?

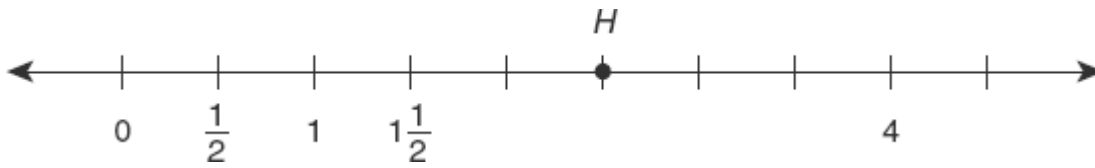
- A Take \$4 off the regular price
  - B Take \$5 off the regular price
  - C Get 2 shirts for the price of 1
  - D Get 1 shirt for \$5
- 32 Kyle will spin the arrow on a spinner like the one shown below.



If Kyle spins the arrow twice, which of these is **NOT** a possible outcome?

- A Green, green
- B Purple, green
- C Blue, blue
- D Red, orange

33 What number on the number line does point *H* best represent?



- A 2
- B  $2\frac{1}{2}$
- C 3
- D  $3\frac{1}{2}$

34 Don can ride his bike 19 miles in one hour. If he rides at the same speed, about how many miles can he ride in 3 hours?

- A 6 miles
- B 40 miles
- C 60 miles
- D 75 miles

35 Humberto was looking at the table below, which shows the heights of four very tall people.

Tall People

Person	Height (cm)
Robert	272
John	264
Vaino	251
Bernard	249

Humberto is 1 meter 39 centimeters tall. How much taller is Robert than Humberto?

- A 143 cm
- B 133 cm
- C 147 cm
- D 125 cm

**36** A cafeteria manager purchases bananas only in 12-pound boxes. If the manager purchases 100 boxes of bananas in a year, how many pounds of bananas does she purchase?

- A 1,200 pounds
- B 1,012 pounds
- C 120 pounds
- D 112 pounds

**37** Each number in Set P is related in the same way to the number beside it in Set Q.

Set P	Set Q
3	9
10	30
7	21
50	150

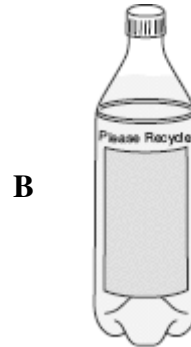
When given a number in Set P, what is one way to find its related number in Set Q?

- A Add 6
- B Add 20
- C Multiply by 2
- D Multiply by 3

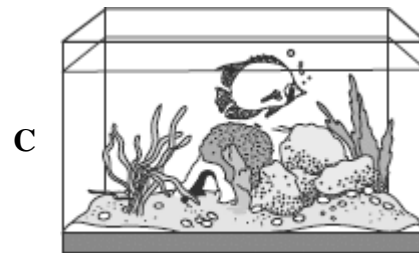
**38** Which of the following holds only 1 milliliter of water?



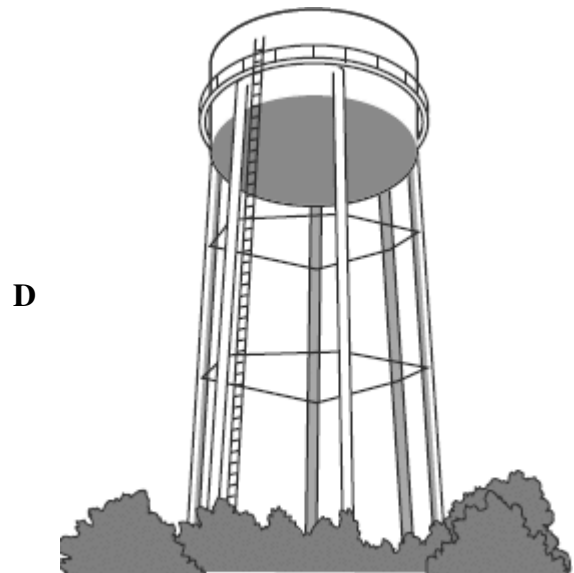
Dropper



Water Bottle



Aquarium



Water Tower

39 The table below shows the number of baseball tickets sold at a stadium in the years 2001 through 2004.

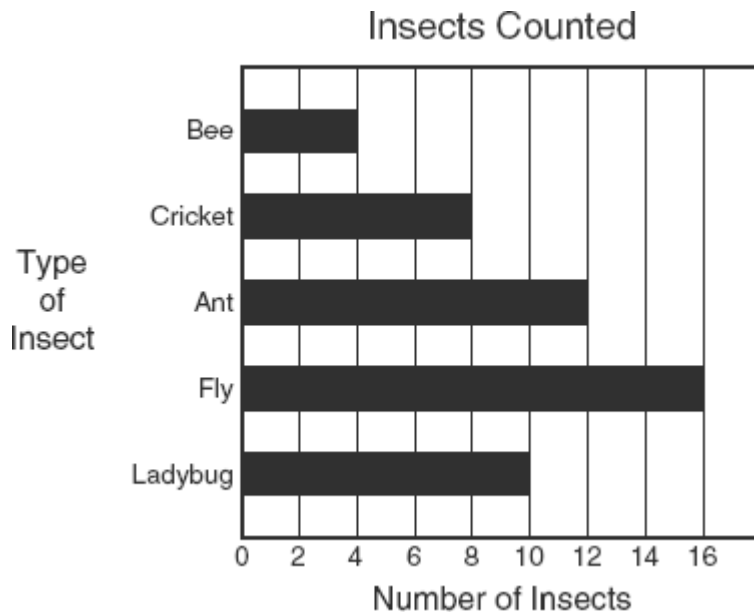
Baseball Tickets Sold

Year	2001	2002	2003	2004
Number of Tickets	1,790,112	2,088,165	2,240,198	2,209,871

In which year were the most baseball tickets sold?

- A 2001
- B 2002
- C 2003
- D 2004

40 The graph below shows the number of insects counted by students in Mr. Green’s class during a field trip to a nature park.



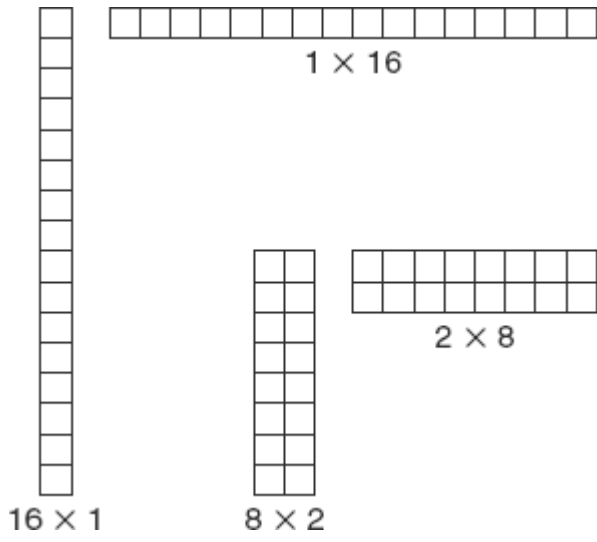
According to the graph, how many more ladybugs and ants were counted than crickets?

- A 14
- B 22
- C 26
- D 30

**41** The windows are being cleaned in all the first-floor classrooms at Alamo Elementary School. There are 12 classrooms on the first floor, and each classroom has 12 windows. How many windows will be cleaned on the first floor?

- A 154
- B 144
- C 132
- D 120

42 Some arrays for the number 16 are shown below.



Which shows another array for the number 16?

