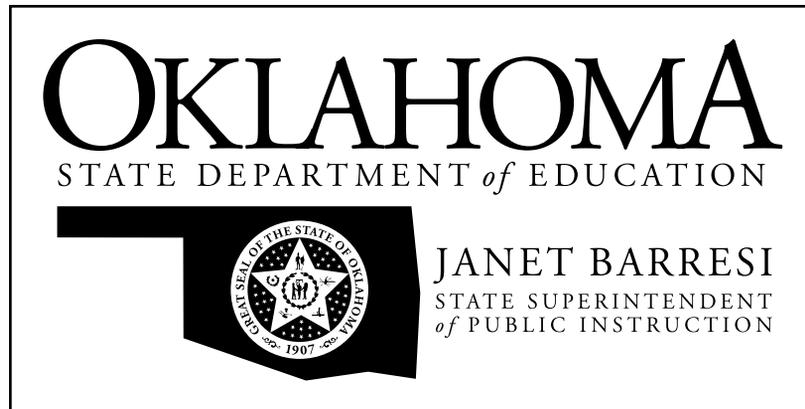


Oklahoma School Testing Program



Oklahoma Core Curriculum Tests

2011–2012 Released Items

Grade 3
Mathematics

Oklahoma State Department of Education
Oklahoma City, Oklahoma

PEARSON

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Mathematics



Directions

Read each question and choose the best answer.

- 1** Marcy and Jason are playing a math game. Marcy says a number and Jason uses a rule to say another number. The table shows the numbers they say. 522447_2

Math Game

Number Marcy Said	Number Jason Said
18	15
12	9
15	12

Which could be the rule Jason used to get his number?

- Ⓐ add 3 to Marcy's number
- Ⓑ subtract 3 from Marcy's number
- Ⓒ multiply Marcy's number by 3
- Ⓓ divide Marcy's number by 3



2 Dan noticed a pattern between the number of boxes and the number of pencils.

522438_2

Number of Boxes	Pencils
1	10
3	30
5	50

If the pattern continues, how many pencils would there be in 7 boxes?

- Ⓐ 80
- Ⓑ 70
- Ⓒ 60
- Ⓓ 40

3 Anna rode her bike 2 miles each day for days.

611300_1

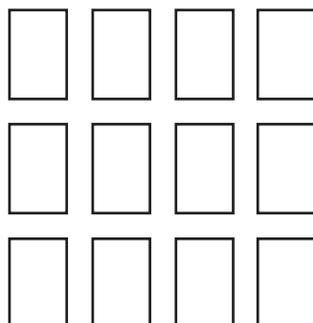
$$2 \times \square = 14$$

What value of makes this number sentence true?

- Ⓐ 7 days
- Ⓑ 12 days
- Ⓒ 16 days
- Ⓓ 28 days

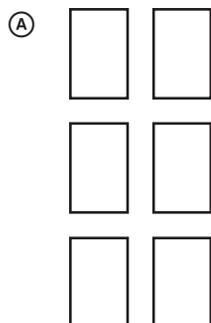


4 Jennifer is playing a game with cards. She places the cards as shown.

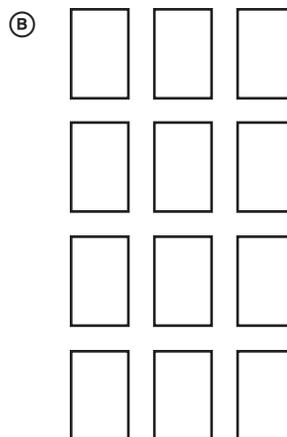


3×4

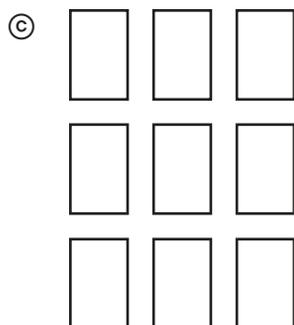
Which is another way to show the same number of cards?



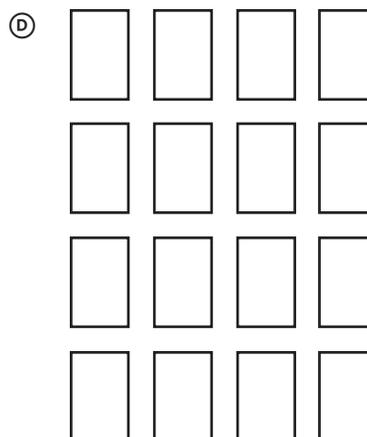
3×2



4×3



3×3



4×4



5 Mr. Reynolds wrote this equation on the board:

525807_2

$$r \times 8 = 8$$

He asked his students to determine the value of r . What is the value of r ?

- Ⓐ $r = 0$
- Ⓑ $r = 1$
- Ⓒ $r = 2$
- Ⓓ $r = 2 \cdot 8$



6 The table shows the depths of 4 different seas.

522679_3

Sea Depth

Sea	Depth (feet)
North Sea	2655
Baltic Sea	1506
Kara Sea	2034
White Sea	1083

Which place value mat shows the depth of the Kara Sea?

Ⓐ

Thousands	Hundreds	Tens	Ones
○ ○	○○○		○○○

Ⓑ

Thousands	Hundreds	Tens	Ones
○ ○		○○○	○○○

Ⓒ

Thousands	Hundreds	Tens	Ones
○ ○		○○	○○○○

Ⓓ

Thousands	Hundreds	Tens	Ones
○ ○ ○ ○	○○		○○



7 A candy factory makes one thousand, two hundred seventy candy sticks in an hour. Which shows one thousand, two hundred seventy in expanded form?

614490_4

- Ⓐ $100 + 20 + 7$
- Ⓑ $100 + 200 + 70$
- Ⓒ $1,000 + 20 + 7$
- Ⓓ $1,000 + 200 + 70$

8 A butterfly can fly up to 1,056 feet per minute. A moth can fly up to 2,200 feet per minute. These numbers can be compared using this number sentence.

613179_4

$$1,056 \square 2,200$$

Which symbol can go in the \square to make the number sentence true?

- Ⓐ $>$
- Ⓑ $-$
- Ⓒ $=$
- Ⓓ $<$



9 Rachel colored $\frac{1}{4}$ of the stars on her poster. Which percent represents the same value as $\frac{1}{4}$? 525746_4

- (A) 100%
- (B) 75%
- (C) 50%
- (D) 25%

10 Some boys and girls had 144 cupcakes to sell. The number of cupcakes they sold is shown below. 522583_1

- Red icing — sold 14
- White icing — sold 72
- Blue icing — sold 35

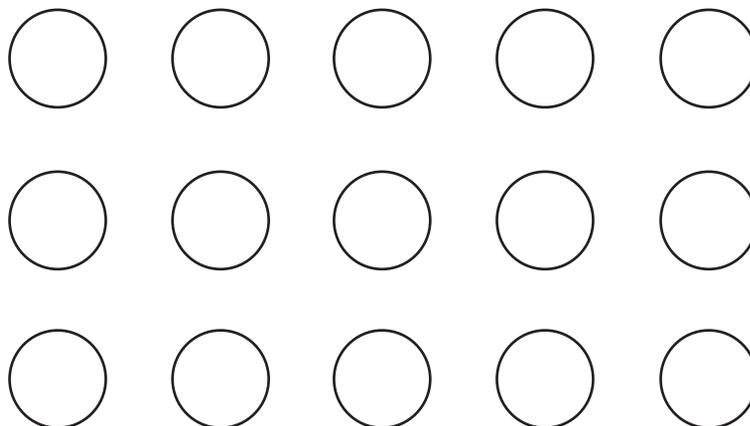
Which is closest to the number of cupcakes that were left to sell?

- (A) 20
- (B) 30
- (C) 40
- (D) 50



11 Some tables were set up as shown.

613233_3



Which fact shows the total number of tables?

- Ⓐ $3 + 5 = 8$
- Ⓑ $3 \times 3 = 9$
- Ⓒ $3 \times 5 = 15$
- Ⓓ $5 \times 5 = 25$

12 Third-grade students played a game at recess. There were 4 players on each team. If there were 6 teams, how many students played this game at recess?

522596_3

- Ⓐ 10 students
- Ⓑ 18 students
- Ⓒ 24 students
- Ⓓ 28 students



13

A band sold 89 CDs. They earned \$12 for each CD sold. Which is closest to the total amount the band earned by selling CDs?

619161_2

- Ⓐ \$800
- Ⓑ \$900
- Ⓒ \$1,600
- Ⓓ \$1,800

14

522419_2



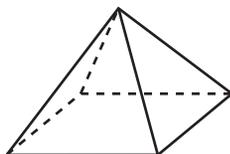
Which best describes the shape of the can?

- Ⓐ a sphere
- Ⓑ a cylinder
- Ⓒ a triangle
- Ⓓ a rectangle



15 Teresa will use five shapes to make this 3-dimensional figure.

595748_2



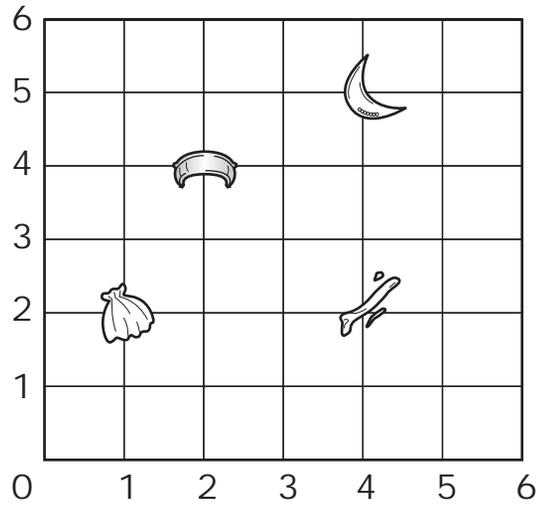
Which shapes could she use?

- Ⓐ triangle, triangle, triangle, triangle, triangle
- Ⓑ rectangle, triangle, triangle, triangle, triangle
- Ⓒ pentagon, triangle, triangle, triangle, triangle
- Ⓓ rectangle, rectangle, rectangle, triangle, triangle



16

522437_1



Which is found at (4, 2) on the grid?

- (A)
- (B)
- (C)
- (D)



17 A monkey sat on a scale as shown below.

522465_3



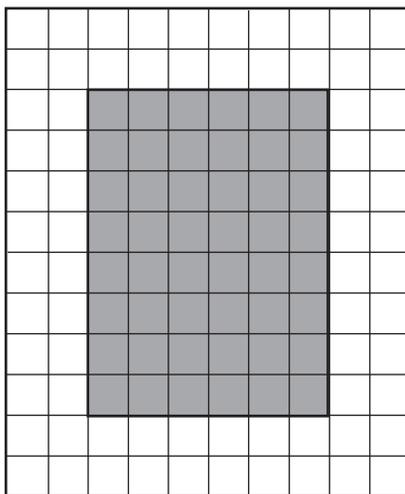
If a second monkey of the same weight were put on the scale, which would be closest to their total weight?

- Ⓐ 9 pounds
- Ⓑ 10 pounds
- Ⓒ 18 pounds
- Ⓓ 20 pounds



619763_3

- 18** The shaded part of the grid represents Desiree's picture frame. She will put ribbon on the outside edges of the frame. The side of each small square equals 1 inch.



What is the perimeter, in inches, of the outside of the frame?

- Ⓐ 14 inches
- Ⓑ 24 inches
- Ⓒ 28 inches
- Ⓓ 48 inches



19

522519_1

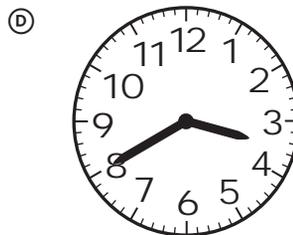
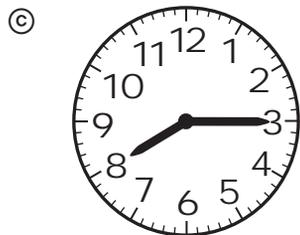
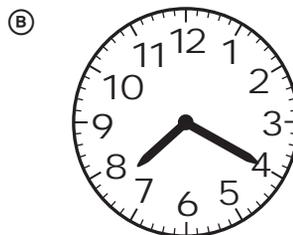
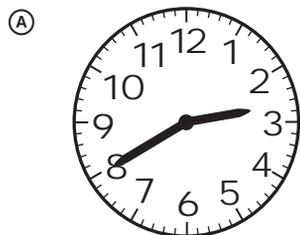


**The watch shows the time it is now. The bus comes at 12:30.
About how many more minutes are left before the bus comes?**

- (A) 10
- (B) 12
- (C) 15
- (D) 30



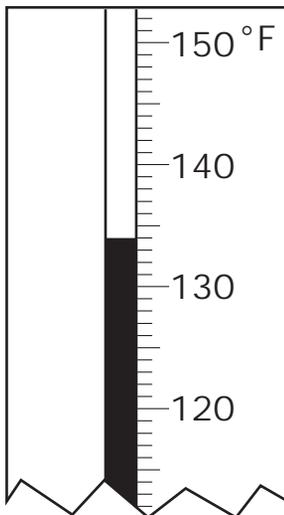
Which clock below shows the same time as the clock above?





21 This thermometer shows the temperature of one of the hottest days ever in California.

593209_1



What is the temperature on this thermometer?

- Ⓐ 134 °F
- Ⓑ 136 °F
- Ⓒ 138 °F
- Ⓓ 146 °F

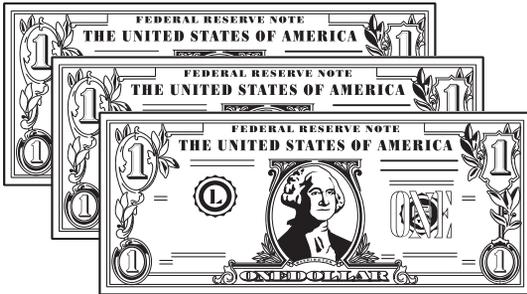


22

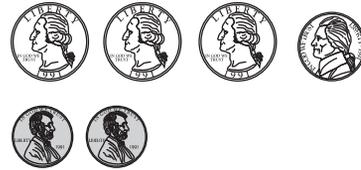
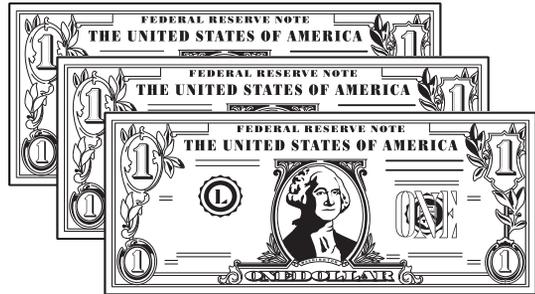
Mandy used a \$5 bill to buy a paint set. The cost of the set was \$3.87. Which shows how much change Mandy should have received?

592658_4

(A)



(B)



(C)



(D)

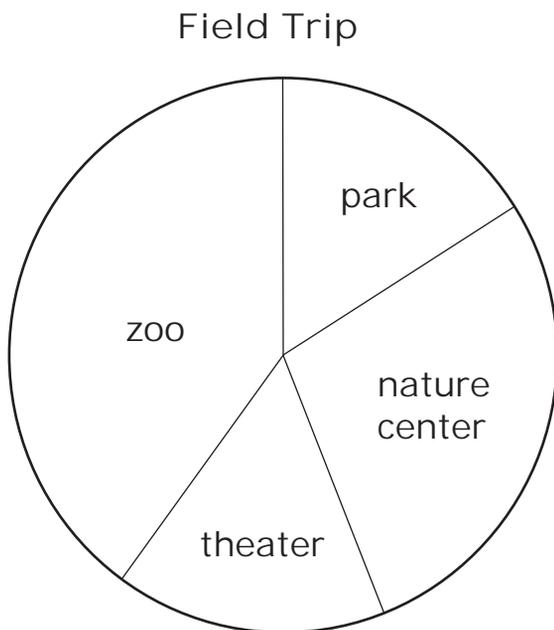




23

Students voted on where to go for a field trip. The results are shown on this circle graph.

535061_4



Where did most of the students vote to go for a field trip?

- Ⓐ nature center
- Ⓑ park
- Ⓒ theater
- Ⓓ zoo



Cake Sale

Type of Cake	Number Sold
chocolate	5
white	8
yellow	6
other	3

Which pictograph shows the same information as in the table?

Ⓐ

Type of Cake	Number Sold
chocolate	
white	
yellow	
other	

Key:  = 2 cakes

Ⓑ

Type of Cake	Number Sold
chocolate	
white	
yellow	
other	

Key:  = 2 cakes

Ⓒ

Type of Cake	Number Sold
chocolate	
white	
yellow	
other	

Key:  = 2 cakes

Ⓓ

Type of Cake	Number Sold
chocolate	
white	
yellow	
other	

Key:  = 2 cakes



25

Without looking, Jane picked one of these cards with a color on it.

522794_1

Green	Green	Red	Green
Purple	Purple	Orange	Red

Which color was she least likely to pick?

- Ⓐ Orange
- Ⓑ Purple
- Ⓒ Green
- Ⓓ Red



