Minnesota MCA Grade 3 Math Practice

Exam Materials
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Name _____

Minnesota Comprehensive Assessments-Series III

Mathematics Item Sampler
Grade 3

m DEPARTMENT
OF EDUCATION

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1. What is another way to show 4,608?

    A. 46+8

    B. 4,000+60+8

    C. 4,000+600+8

    D. 4,000+600+80

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2. There are 23,650 people in a stadium.

The stadium can hold 1,000 more people.

How many people can the stadium hold?

    A. 22,650

    B. 23,750

    C. 24,650

    D. 33,650

3. What is 153,924 rounded to the nearest thousand?

    A. 150,000

    B. 153,000

    C. 153,900

    D. 154,000

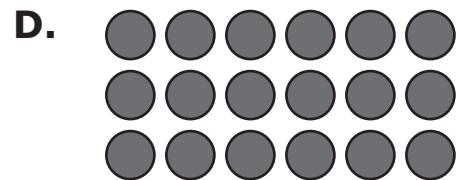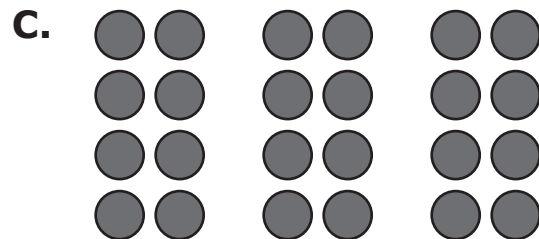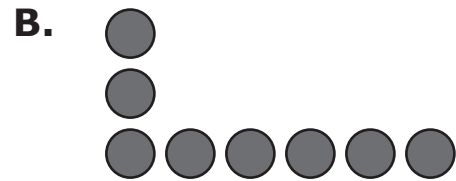---

4. Subtract.

$$6,905-37$$

    A. 3,205

    B. 6,868

    C. 6,932

    D. 6,968

5. Which model shows 6×3?

A.

B.

C.

D.

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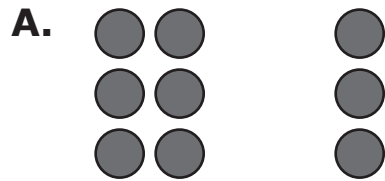
6. Malik has 64 marbles.

He puts an equal number of marbles into each of 4 jars.

How many marbles are in each jar?

A. 14

B. 15

C. 16

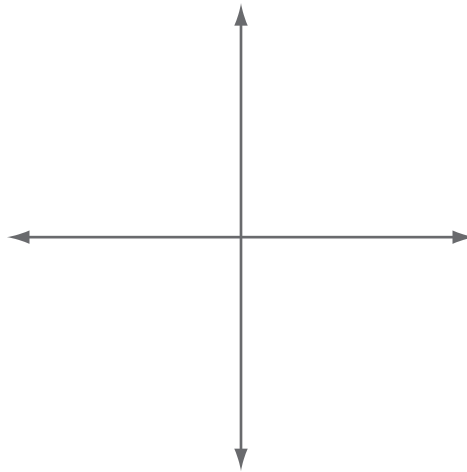**D.** 18

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7. Multiply.

$$507 \times 6$$

A. 342
B. 3,002
C. 3,042
D. 3,102

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8. Two lines are shown.

Which describes the relationship between the lines?

A. Parallel
B. Perpendicular
C. Square
D. Straight

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9. Which number has a 5 in the ten thousands place?

    A. 104,352

    B. 365,971

    C. 582,607

    D. 951,480

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10. Connie lists her scores from a video game.

            14,087 13,345 14,613 14,301

Which list shows the scores listed from greatest to least?

    A. 14,613 13,345 14,301 14,087

    B. 14,613 14,301 14,087 13,345

    C. 14,087 14,613 14,301 13,345

    D. 13,345 14,087 14,301 14,613

11. Jeff had 1,350 glass beads and 695 clay beads.

He sold 138 glass beads and 47 clay beads.

How many beads did Jeff have left?

    A. 470

    B. 746

    C. 1,860

    D. 2,230

12. Cory has 2 red crayons and 1 blue crayon.

What fraction of Cory's crayons is red?

    A. $\dfrac{1}{3}$

    B. $\dfrac{1}{2}$

    C. $\dfrac{2}{3}$

    D. $\dfrac{3}{2}$

13. Gavin has 4 green apples and 4 red apples.

Tara has 4 green apples and 8 red apples.

Who has a greater fraction of green apples?

A. Gavin, because $\frac{4}{8}$ is greater than $\frac{4}{12}$

B. Tara, because $\frac{4}{12}$ is greater than $\frac{4}{8}$

C. Tara, because 12 is greater than 8

D. They both have the same fraction of green apples.

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14. Ellen has a vase of flowers.

- $\frac{1}{8}$ are red.

- $\frac{1}{3}$ are blue.

- $\frac{1}{6}$ are purple.

- $\frac{1}{4}$ are yellow.

Which is the greatest fraction?

A. $\frac{1}{8}$

B. $\frac{1}{3}$

C. $\frac{1}{6}$

D. $\frac{1}{4}$

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15. A table is shown.

Input	Output
2	12
4	24
8	48

What is the output number when the input number is 12?

A. 2

B. 60

C. 72

D. 96

2

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16. Which story problem can be solved using the number sentence $2 \times n = 18$?

A. Tom had 18 pencils. He gave n pencils away and had 2 left over. How many pencils did Tom give away?

B. Alice bought n books and spent $18. Each book cost $2. How many books did Alice buy?

C. Maya had n rocks and 2 baskets. She put 18 rocks in each basket. How many rocks did Maya have?

D. Pedro saw 2 kinds of birds. He saw 18 robins and n crows. How many crows did Pedro see?

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17. An equation is shown.

$$3 \times 7 = \underline{\hspace{1cm}} + 7$$

What number makes the number sentence true?

A. 3

B. 14

C. 21

D. 28

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18. Which shape has the fewest angles?

A. Hexagon

B. Octagon

C. Pentagon

D. Trapezoid

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19. The perimeter of a rectangle is 16 inches.
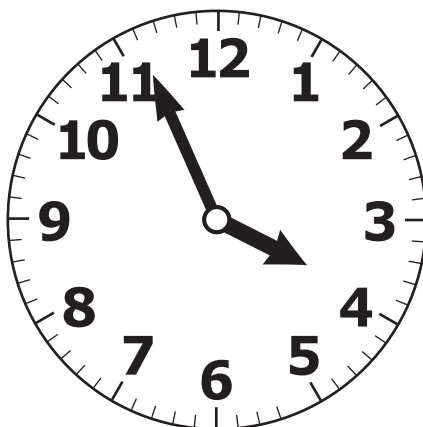
Its length is 5 inches.

What is its width?

   A.   3 inches
   B.   6 inches
   C.   11 inches
   D.   21 inches

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20. Mai Ka starts reading a book at the time shown on the clock.

She stops reading 1 hour and 12 minutes later.

What time does Mai Ka stop reading?

A. 4:08

B. 4:44

C. 5:04

D. 5:08

21. A movie is 2 hours and 28 minutes long.

How many minutes long is the movie?

    A. 88 minutes

    B. 120 minutes

    C. 148 minutes

    D. 228 minutes

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22. Gina buys a snack for 59¢.

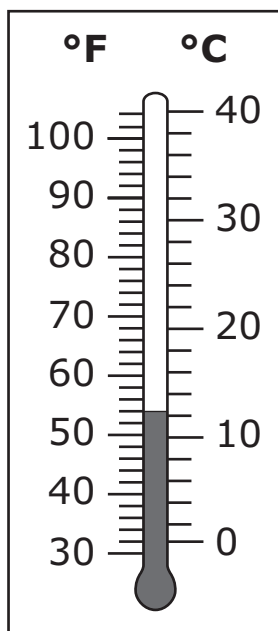She pays with a $1 bill.

She receives the fewest possible coins in change.

What change does Gina receive?

    A. 1 quarter, 1 dime, 1 nickel, and 1 penny

    B. 2 quarters and 1 penny

    C. 2 quarters, 1 nickel, and 4 pennies

    D. 4 dimes and 1 penny
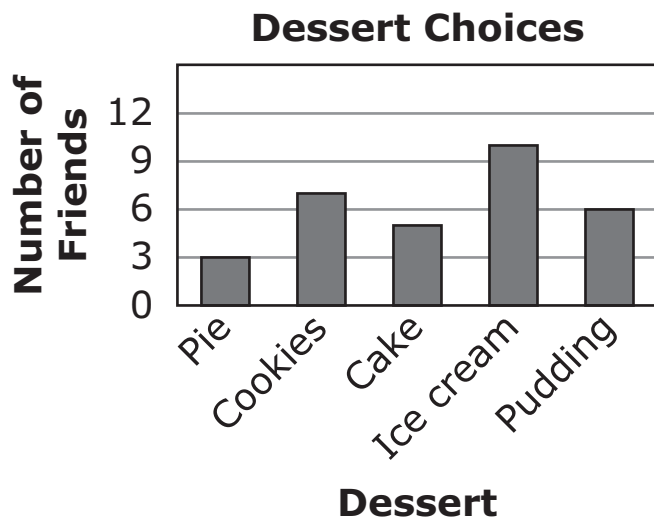
23. A thermometer is shown.

What temperature is shown on the thermometer?

A. 11°C

B. 12°F

C. 54°C

D. 54°F

24. Leon asked his friends to choose a favorite dessert.

Dessert Choices

How many more friends chose ice cream than pie?

A. 2

B. 5

C. 7

D. 10

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