School Name

District/LEA Name








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Grade 3
Mathematics
Practice Test

## Unit 1

## Directions:

Today, you will take Unit 1 of the Grade 3 Mathematics Practice Test. You will not be able to use a calculator.
Read each question. Then, follow the directions to answer each question. Mark your answers by circling your answer in your test booklet or writing your answer in the space provided. If you need to change an answer, be sure to erase your first answer completely. If a question asks you to show or explain your work, you must do so to receive full credit.
If you do not know the answer to a question, you may go on to the next question. If you finish early, you may review your answers and any questions you did not answer.

1. Which two statements can be represented by the expression $4 \times 8$ ?
(A) A teacher puts 8 chairs at each of 4 tables.
(B) Tom buys 4 red markers and 8 black markers.
(c) Marie shares her 8 marbles equally among 4 friends.
(D) There are 4 rows of flowers. There are 8 flowers in each row.
(®) There are 8 ducks in the pond. Then, 4 more ducks join them.
2. Ana starts eating lunch at $12: 15$ p.m. She finishes eating lunch 40 minutes later.

Which clock shows the time that Ana finishes eating lunch?
(A)

(B)

(C)

(D)

3. Part A

Nolan has 16 pennies in one jar and 94 pennies in another jar.
He uses some of the pennies to buy a pencil that costs 25 cents. What is the total number of pennies Nolan has left after he buys the pencil? Show your work.

Enter your answer and your work in the space provided.

## Part B

Nolan saves some more pennies and now has 187 pennies all in one jar. He finds 10 more pennies in his pocket.

What is the total number of pennies Nolan has after he adds the 10 pennies from his pocket to the jar?

Enter your answer in the box.

Part C

| The table shows the number of pennies Nolan saved |
| :--- |
| four weeks. |


| Weeknies Saved Each Week | Number of Pennies |
| :---: | :---: |
| Week 1 | 18 |
| Week 2 | 40 |
| Week 3 | 32 |
| Week 4 | 25 |

What is the total number of pennies Nolan saved during the four weeks? Show your work.

Enter your answer and your work in the space provided.
4. Each model equals one whole divided into equal parts. Which models show $\frac{1}{4}$ shaded?

Select the three correct answers.
(A)

(B)

(c)

(E)

(F)



## GO ON TO NEXT PAGE

Cindy is finding the quotient for $27 \div 9$. She says, "The answer is 18 because addition is the opposite of division and $9+18=27$."
6. Part A

Identify the incorrect reasoning in Cindy's statement.
Enter your explanation in the space provided.

## Part B

Show or explain how Cindy can correct her reasoning.
Find the quotient when 27 is divided by 9.
Enter your answer and your work or explanation in the space provided.
7. Select the three equations that are correct.
(A) $7 \times 9=63$
(B) $48 \div 8=6$
(c) $4 \times 9=38$
(D) $30 \div 5=8$
(ㄷ) $42 \div 7=6$

## GO ON TO NEXT PAGE

Use the information provided to answer Part A and Part B for question 8.

Mr. Conley delivers packages. The bar graph shows the total number of packages he delivered on five days last week.

8. Part A

What is the total number of packages Mr. Conley delivered on Monday and Tuesday?
(A) 300
(8) 340
© 350
(0) 360

## Part B

How many more packages did Mr. Conley deliver on Monday and Tuesday than he did on Thursday and Friday?

Enter your answer in the box.


- 9. Sandy draws a shape. She divides it into parts. Each part is $\frac{1}{8}$ the area of the shape. Which shape could be the one Sandy draws?
(A)

(B)

(c)

(D)


10. Carla buys apples and peaches at the store. The mass of the apples is 724 grams. The mass of the peaches is 471 grams.

How much greater is the mass, in grams, of the apples than the mass of the peaches?

Enter your answer in the box.

11. A model of a playground is shown.


Find the area, in square meters, of the playground. Explain your answer using an equation or equations.

Enter your answer and your explanation using your equation or equations in the space provided.
12. Which three statements can be represented by the expression $24 \div 4$ ?
(A) Jake makes 24 muffins. He gives away 4 muffins.
(B) Collin has 24 toy trucks. He sorts them into groups of 4 trucks each.
© Amira has 24 trading cards. She puts them into piles containing 4 cards each.
(D) Rosemary puts 24 stickers in each book. She uses enough stickers to fill 4 books.
(E) Steven fills a new bookshelf with 24 books. He puts the same number of books on each of the 4 shelves.


You have come to the end of Unit 1 of the test.

- Review your answers.
- Then, close your test booklet and raise your hand to turn in your test materials.
MATH03ABO

