MATH ASSESSMENT PROGRAM

4TH GRADE

New York State EDUCATION DEPARTMENT
Knowledge > Skill > Opportunity

New York State Testing Program
Grade 4
Mathematics Test

Released Questions

2021

New York State administered the Mathematics Tests in May 2021 and is now making the questions from Session 1 of these tests available for review and use. Only Session 1 was required in 2021.

Name:_____

New York State Testing Program

Mathematics Test
Session 1

Grade 4

v202

Released Questions

1 Tatum walks her dog $\frac{2}{3}$ mile every day after school. How many miles does she walk her dog in 5 days?

A $\frac{7}{3}$

B $\frac{10}{3}$

C $\frac{2}{15}$

D $\frac{10}{15}$

2 The number of points Jaden scored in a game is less than 45, and is also a multiple of 7. How many points could Jaden have scored?

A 17

B 35

C 52

D 70

3 Which comparison is true?

A $\frac{2}{3} = \frac{8}{12}$

B $\frac{4}{9} = \frac{8}{9}$

C $\frac{3}{4} > \frac{9}{10}$

D $\frac{2}{4} > \frac{2}{3}$

GO ON

4 There are three different sections to sit in at a baseball park. The number of people who can sit in each section is described below.
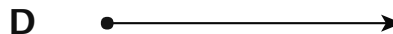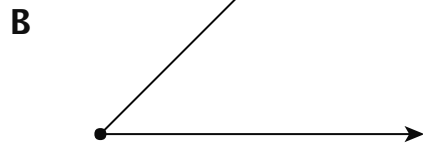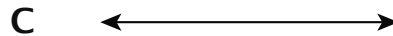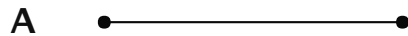
- red section seats 200 people
- blue section seats 20 fewer people than the red section
- green section seats 2 times as many people as the blue section

What is the total number of people who can sit in the baseball park?

A   260

B   380

C   640

D   740

5 Which figure is an example of a line segment?

A

C

B

D

6 Izzy's family has orange trees in their yard. They picked 126 oranges. They kept 10 oranges for themselves and shared the rest evenly among 4 other families. Which equation can be used to determine n, the number of oranges each of the other families received?

A $(126 - 4) \div 10 = n$

B $(126 - 10) \div 4 = n$

C $(126 + 10) \div 4 = n$
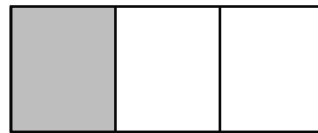
D $(126 + 4) \div 10 = n$

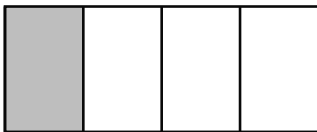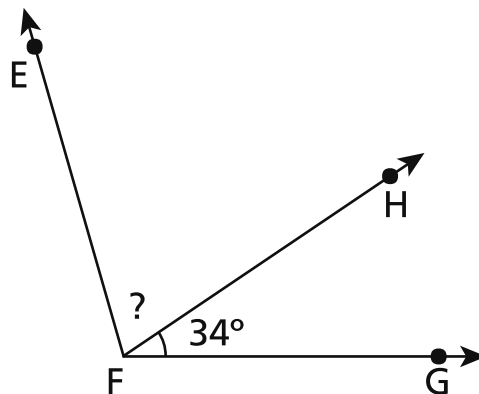**7** Which fraction model has a shaded area equivalent to $\dfrac{3}{12}$?

A

C

B

D

8 The measure of angle EFG shown below is 106 degrees.

What is the measure, in degrees, of angle EFH?

A 34

B 56

C 72

D 140

9 Which list of fractions is in order from least to greatest value?

A $\dfrac{1}{2}, \dfrac{1}{4}, \dfrac{3}{4}$

B $\dfrac{1}{4}, \dfrac{1}{2}, \dfrac{3}{4}$

C $\dfrac{1}{4}, \dfrac{3}{4}, \dfrac{1}{2}$

D $\dfrac{1}{2}, \dfrac{3}{4}, \dfrac{1}{4}$

10 Betsy has $4\frac{1}{3}$ cups of lemonade in a pitcher. She pours $1\frac{2}{3}$ cups into a glass. How much lemonade remains in the pitcher?

A $2\frac{2}{3}$ cups

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

C $5\frac{3}{3}$ cups

D $5\frac{3}{6}$ cups

11 What is the value of the expression below?

$2{,}816 \times 7$

A   14,572

B   14,672

C   19,612

D   19,712

12 What is the quotient for the expression $2{,}314 \div 4$?

A   508

B   508 r2

C   578

D   578 r2

GO ON

13 A teacher buys the folders listed below.

- 5 boxes of red folders with 36 folders in each box

- 6 boxes of blue folders with 32 folders in each box

Which number is **closest** to the total number of red and blue folders that the teacher buys?

A 275

B 380

C 440

D 550

14 What number is 9 times as much as 400?

A 391

B 409

C 3,600

D 3,609

15 Which two numbers both round to 1,500 when rounded to the nearest hundred?

A 1,399 and 1,599

B 1,449 and 1,549

C 1,457 and 1,547

D 1,489 and 1,589

GO ON

16 Mr. Fuller wants to put fencing around his rectangular-shaped yard. The width of the yard is 55 feet and the length is 75 feet. How many feet of fencing does Mr. Fuller need?

A   130

B   260

C   3,905

D   4,125

17 Some students in Ms. Baker's class recorded their heights for four months. The line plot below shows how much each student grew by the end of the four months.

STUDENT GROWTH

Length (inches)
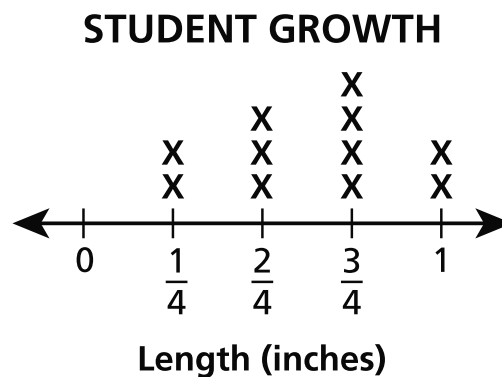
What is the difference in growth, in inches, between the students who grew the most and the students who grew the least?

A $\dfrac{1}{4}$

B $\dfrac{2}{4}$

C $\dfrac{3}{4}$

D   1

GO ON

18 The value of the digit 9 in the number 29,461 is 10 times the value of the digit 9 in which number?

A   46,195

B   53,982

C   89,354

D   93,610

19 The number pattern below follows a rule.

2, 8, 32, 128, . . .

Which number pattern follows the same rule?

A   4, 8, 12, 16, . . .

B   1, 4, 16, 64, . . .

C   3, 7, 11, 15, . . .

D   6, 12, 24, 48, . . .

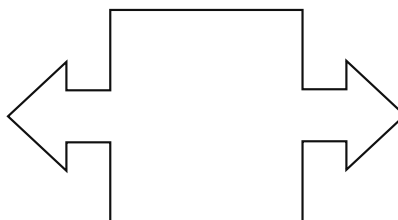**20** The three models below are each shaded to represent a different fraction.

What is the sum of the fractions represented by the shaded parts of the models?

A $\dfrac{10}{18}$

B $\dfrac{8}{10}$

C $\dfrac{10}{8}$

D $\dfrac{10}{6}$

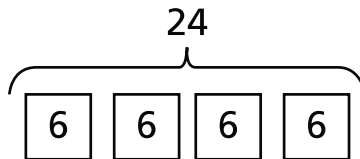**21** What is the greatest number of lines of symmetry that can be drawn on the figure shown below?

A 0

B 1

C 2

D 4

GO ON

22 What is the measure, in degrees, of an angle that is equivalent to $\frac{1}{360}$ of a circle?

A   1

B   90

C   180

D   360

23 Which comparison statement describes the model below?

24

| 6 | 6 | 6 | 6 |

A   6 is 24 times as many as 4

B   24 is 4 times as many as 6

C   4 times as many as 24 is 6

D   6 times as many as 6 is 24

STOP

BUKAYO SAKA

BUKAYO SAKA

BUKAYO SAKA

STERLING

WE GOT NOW
new balance

MANE

WE GOT NOW
new balance

SAKA

WE GOT NOW
new balance soccer