TEST NAME: **Fall SOY Checkpoint Grade 4 Math Content**
TEST ID: **32**
GRADE: **04 - 05**
SUBJECT: **Mathematics**
TEST CATEGORY: **Start of Year Checkpoint**

08/10/20, Fall SOY Checkpoint Grade 4 Math Content

Student:

Class:

Date:

Instructions

The Grade 4 Math test has two subparts. Each subpart contains different types of questions. To begin the test, click the "Next" arrow button at the top.

Read the passage - 'VH986943_directions' - and answer the question below:

VH986943_directions

Subpart 1 of this test contains different types of assessment questions in Grade 4 Math. You may make notes on scratch paper or use the Notepad tool within the online test. Make sure you answer all the questions. You MAY NOT use a calculator in Subpart 1 of this test.

1. What is $2{,}815 \times 7$?

   A. $19{,}635$

   B. $19{,}645$

   C. $19{,}705$

   D. $19{,}885$

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2. Ben had 5 sheets of stickers.

   - Each sheet had 12 stickers on it.
   - Ben gave 23 stickers to his sister.
   - He gave 16 stickers to his brother.

   Which equation can be used to determine s, how many stickers Ben has left?

   A. $(5 \times 12) - 23 - 16 = s$

   B. $(12 + 5) - 23 + 16 = s$

   C. $(5 \times 12) - 23 + 16 = s$

   D. $(12 \times 5) + 23 - 16 = s$

3. Which expressions have a product of 400? Choose the **three** correct answers.

Pick up to 3 answers.

A. 30×12

B. 20×20

C. 25×16

D. 14×14

E. 40×10

4. Which equation is **true**?

A. $2\frac{3}{8} = \frac{2}{8} + \frac{3}{8}$

B. $2\frac{3}{8} = \frac{8}{8} + \frac{3}{8}$

C. $2\frac{3}{8} = \frac{8}{8} + \frac{8}{8} + \frac{3}{8}$

D. $2\frac{3}{8} = 8 + 8 + \frac{3}{8}$

5. Read this sentence.

18 is 2 times as many as an unknown number.

Which equation can be used to find the unknown number?

A. $18 \times \square = 2 \times \square$

B. $2 = 18 \times \square$

C. $\square = 2 \times 18$

D. $18 = 2 \times \square$

6. Lee ran $\frac{5}{3}$ miles each day for 4 days.

How many miles did Lee run during the 4 days?

A. $\frac{5}{12}$

B. $\frac{20}{12}$

C. $\frac{9}{3}$

D. $\frac{20}{3}$

7. There are 24 books on the bottom shelf of a bookcase. That is 3 times as many books as are on the top shelf of the bookcase.

How many books are on the top shelf?

A. 8

B. 16

C. 21

D. 72

8. Jeff planted all the seeds from a bag of flower seeds. He planted some of the seeds on Monday and all the remaining seeds on Tuesday.

Which pair of fractions could describe the fraction of the bag of seeds that Jeff planted each day?

A. $\frac{1}{3}$ on Monday and $\frac{1}{3}$ on Tuesday

B. $\frac{1}{5}$ on Monday and $\frac{2}{5}$ on Tuesday

C. $\frac{3}{8}$ on Monday and $\frac{7}{8}$ on Tuesday

D. $\frac{5}{12}$ on Monday and $\frac{7}{12}$ on Tuesday

9. Which expressions have the same value as $\frac{7}{4}$? Choose the **three** correct answers.

Pick up to 3 answers.

A. $\frac{1}{4}+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}$

B. $\frac{2}{4}+\frac{2}{4}+\frac{2}{4}+\frac{1}{4}$

C. $\frac{4}{2}+\frac{3}{2}$

D. $\frac{3}{4}+\frac{3}{4}+\frac{2}{4}$

E. $1+\frac{1}{4}+\frac{1}{4}+\frac{1}{4}$

10. Which number sentence is **true**?

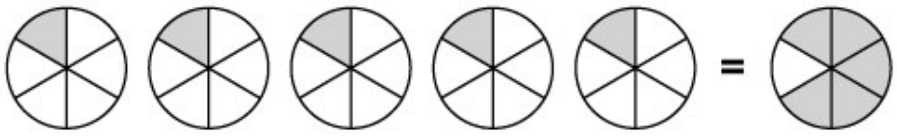
A. $\frac{2}{10}+\frac{6}{100}=\frac{26}{100}$

B. $\frac{6}{10}+\frac{7}{100}=\frac{76}{100}$

C. $\frac{4}{10}+\frac{5}{100}=\frac{45}{10}$

D. $\frac{5}{10}+\frac{6}{100}=\frac{65}{10}$

11. Look at the fraction model.



Which equation could the model represent?

A. $5\times\frac{1}{6}=\frac{5}{6}$

B. $6\times\frac{1}{5}=\frac{6}{30}$

C. $5\times\frac{1}{6}=\frac{6}{5}$

D. $6\times\frac{1}{5}=\frac{5}{30}$

12. Which fractions have the same value as 0.6? Choose the **two** correct answers.

Pick up to 2 answers.

A. $\frac{6}{100}$

B. $\frac{6}{10}$

C. $\frac{60}{10}$

D. $\frac{60}{100}$

E. $\frac{600}{100}$

13. Which expression shows another way to represent $\frac{2}{6}$?

A. $2 \times \frac{1}{6}$

B. $2 + \frac{1}{6}$

C. $6 \times \frac{1}{2}$

D. $6 + \frac{1}{2}$

Read the passage - 'VH986959_directions' - and answer the question below:

VH986959_directions

Subpart 2 of this test contains different types of assessment questions in Grade 4 Math. You may make notes on scratch paper or use the Notepad tool within the online test. Make sure you answer all the questions. You MAY use a calculator in Subpart 2 of this test.

14. Sally uses tickets for rides, games, and food at a carnival.

- She uses $\frac{3}{8}$ of her tickets for rides.
- She uses $\frac{3}{8}$ of her tickets for games.

What fraction of her tickets does Sally have remaining for food?

A. $\frac{2}{8}$

B. $\frac{3}{8}$

C. $\frac{5}{8}$

D. $\frac{6}{8}$

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15. A florist is placing flowers into vases.

- There are 14 boxes of flowers.
- Each box contains 12 flowers.
- All of the flowers are shared equally among 8 vases.

How many flowers are in each vase?

A. 3

B. 21

C. 168

D. 1344

16. Joan has 438 treats. She will make bags of treats by putting 5 treats in each bag. Joan divides 438 by 5. She thinks she will be able to make 87 bags of treats with 3 treats remaining.

Which steps could Joan use to check her division?

A. multiply 87×3, then add 5 to the result

B. multiply 87×5, then add 3 to the result

C. multiply 87×3, then subtract 5 from the result

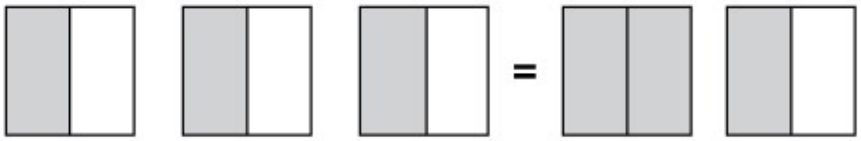
D. multiply 87×5, then subtract 3 from the result

17. Here is an equation.

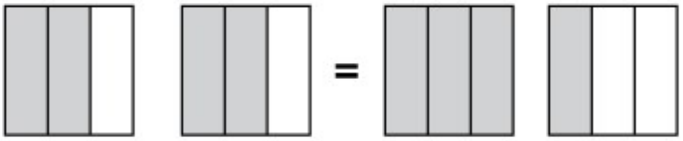
$2 \times \frac{1}{3} = \frac{2}{3}$

Which fraction model represents the equation?

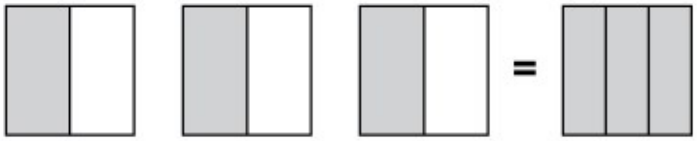
A.



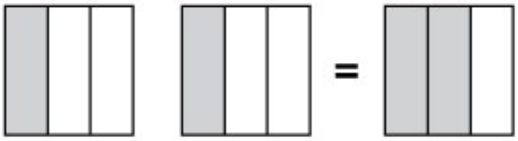
B.



C.



D.



18. Xavier has 5 bags of fruit. Each bag of fruit weighs $\frac{8}{3}$ pounds.

Which expression can be used to find how many pounds of fruit Xavier has all together?

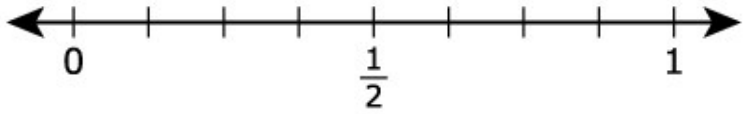
A. $5 + \frac{8}{3}$

B. $5 \times 5 \times 5 \times \frac{8}{3} \times \frac{8}{3}$

C. $\frac{8}{3} + \frac{8}{3} + \frac{8}{3} + \frac{8}{3} + \frac{8}{3}$

D. $\frac{8}{3} \times \frac{8}{3} \times \frac{8}{3} \times \frac{8}{3} \times \frac{8}{3}$

19. Use the number line to compare the fractions $\frac{2}{8}$ and $\frac{3}{4}$.



Which comparison is true, and why?

A. $\frac{2}{8} < \frac{3}{4}$

This is true because $\frac{2}{8}$ is less than $\frac{1}{2}$ and $\frac{3}{4}$ is greater than $\frac{1}{2}$.

B. $\frac{2}{8} > \frac{3}{4}$

This is true because $\frac{2}{8}$ is greater than $\frac{1}{2}$ and $\frac{3}{4}$ is less than $\frac{1}{2}$.

C. $\frac{2}{8} = \frac{3}{4}$

This is true because both $\frac{2}{8}$ and $\frac{3}{4}$ are greater than $\frac{1}{2}$.

D. $\frac{2}{8} = \frac{3}{4}$

This is true because both $\frac{2}{8}$ and $\frac{3}{4}$ are less than $\frac{1}{2}$.

20. An area model is shown.

×	40	7
60	2400	420
5	?	35

One number is missing.

Choose the **three** true statements about the area model.

Pick up to 3 answers.

A. The product of the area model is 3055.

B. The missing number is 20.

C. The model shows 407×605.

D. The missing number is 200.

E. The model shows 47×65.

21. Here are the numbers of green, blue, and red pieces in a game.

- 6 green pieces
- 18 blue pieces
- 24 red pieces

Which sentence about the numbers of pieces in the game is **true**?

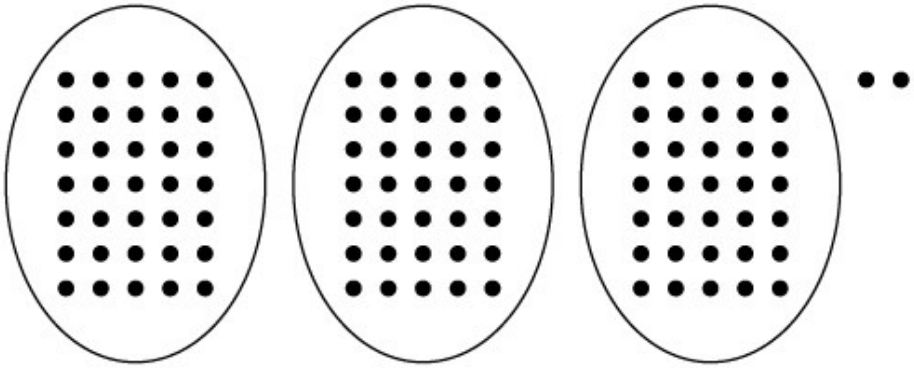
A. There are 3 times as many green pieces as blue pieces.

B. There are 12 times as many blue pieces as green pieces.

C. There are 6 times as many red pieces as blue pieces.

D. There are 4 times as many red pieces as green pieces.

22. Which expression is represented by the model?



A. $35 \div 3$

B. $35 \div 2$

C. $105 \div 3$

D. $107 \div 3$