

TEST NAME: Selwyn Topic 9 Assessment
TEST ID: 2919469
GRADE: 04 - Fourth Grade
SUBJECT: Mathematics
TEST CATEGORY: School Assessment

03/01/19, Selwyn Topic 9 Assessment

Student: _____

Class: _____

Date: _____

Instructions

You may NOT use a calculator for this test.

Solve each problem and show your work.

1. James and Quetta were painting a banner for the Cultural Arts Night at their school. James painted $\frac{5}{12}$ of the banner black and Quetta painted $\frac{6}{12}$ of the banner white. The leftover portion of the banner was painted red. What fraction of the banner is red?

A. $\frac{1}{24}$

B. $\frac{1}{12}$

C. $\frac{11}{24}$

D. $\frac{11}{12}$

2. Jania had $\frac{9}{5}$ pounds of candy that she was placing into four candy dishes. She didn't care if each bowl had the same amount. Which number sentence below could represent how she placed the candy in each dish?

A. $\frac{1}{5} + \frac{4}{5} + \frac{4}{5} + \frac{1}{5} = \frac{9}{5}$

B. $\frac{3}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{9}{5}$

C. $\frac{1}{5} + \frac{2}{5} + \frac{3}{5} + \frac{3}{5} = \frac{9}{5}$

D. $\frac{1}{1} + \frac{4}{1} + \frac{1}{2} + \frac{3}{1} = \frac{9}{5}$

3. Helga made an apple pie, a chocolate pie, and a key lime pie for dessert. Part of each pie was eaten. $\frac{3}{4}$ of the apple pie was eaten and $\frac{9}{10}$ of the key lime pie was eat. The amount of chocolate pie that was eaten was less than the key lime pie, but more than the apple pie. Which fraction below could represent the amount of chocolate pie that was eaten?

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

B. $\frac{11}{12}$

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

D. $\frac{7}{8}$

4. Nathan, Thomas, and James shared a pizza that was cut into 10 slices. The three boys ate $\frac{7}{10}$ of the pizza. Which of the following could show how the boys shared the pizza?

A. $\frac{2}{3} + \frac{4}{5} + \frac{1}{2}$

B. $\frac{1}{10} + \frac{1}{10} + 5$

C. $\frac{3}{10} + \frac{3}{10} + \frac{3}{10}$

D. $\frac{2}{10} + \frac{4}{10} + \frac{1}{10}$

5. Drew made his special lime punch for his classroom party. He used the following ingredients:

- $2 \frac{3}{4}$ liters of lime Kool-Aid
- $1 \frac{3}{4}$ liters of pineapple juice
- $2 \frac{1}{4}$ liters of ginger ale
- $1 \frac{2}{4}$ liters of lime sherbet

When the party was over, there was $1 \frac{3}{4}$ liters of punch left. How many liters of punch did Drew's class drink?

A. $8 \frac{1}{4}$

B. $7 \frac{2}{4}$

C. $6 \frac{2}{4}$

D. $6 \frac{1}{4}$

6. Yesenia was playing a mystery number game with her friends. She gave the following clues as hints for her number:

- The number is composite.
- The number is odd.
- The number is a factor of 27.

Which of the following numbers could be Yesenia's number?

A. 3

B. 9

C. 18

D. 21

7. George put all of his textbooks and library books in his book bag to take home. His book bag weighed 6 kilograms. He thought that it was too heavy, so he decided to leave his science and reading textbooks at school.

- His science textbook weighs $2\frac{7}{10}$ kilograms.
- His reading textbook weighs $1\frac{6}{10}$ kilograms.

How much did his book bag weigh when he removed the two textbooks?

- A. $1\frac{7}{10}$ kilograms
- B. $2\frac{7}{10}$ kilograms
- C. $3\frac{3}{10}$ kilograms
- D. $4\frac{3}{10}$ kilograms

8. Emma prepared for the race she would participate in by running each day. The chart below shows how far she ran each day. If Emma's goal was to run 10 miles throughout the week, how far does she need to run on Saturday to make her goal?

Day	Miles Run
Monday	$1 \frac{2}{4}$
Tuesday	$1 \frac{1}{4}$
Wednesday	$1 \frac{3}{4}$
Thursday	$2 \frac{1}{4}$
Friday	$2 \frac{2}{4}$
Saturday	?

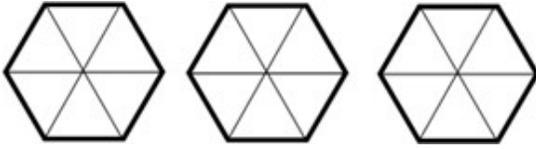
A. $\frac{1}{4}$ mile

B. $\frac{3}{4}$ mile

C. 3 miles

D. $9 \frac{1}{4}$ miles

9. Mrs. Glove ordered 3 pizzas from Pizza Hut. Each pizza was cut into 6 equal slices. Dom ate $\frac{5}{6}$ of a pizza, his sister ate $\frac{2}{6}$ of a pizza, and together their parents ate $\frac{4}{6}$ of a pizza. How much pizza was left over after the family ate?



- A. $\frac{11}{6}$ pizzas
B. 1 pizza
C. $\frac{7}{6}$ pizzas
D. $\frac{3}{6}$ pizza
10. Stephan wants to be a graphic designer after he graduates. His sister Miranda wants to be an optometrist when she graduates. They looked up the beginning salaries for both careers.
- Graphic designers make around \$39,900 each year.
 - Optometrists make \$91,040 each year.

How much more will Miranda make than Stephan in one year after they graduate?

- A. \$51,140
B. \$52,940
C. \$62,140
D. \$68,940
11. Morgan's pizza was sliced into eighths. Morgan and his family ate 5 slices for dinner. What fraction of the pizza was left over?
- A. $\frac{5}{8}$
B. $\frac{4}{8}$
C. $\frac{3}{8}$
D. $\frac{1}{8}$

