Freeman

5th Grade Math LEAP Readiness Packet

Name:

_____

Edulastic

eap Readiness Practice Packet

Collection: Private

reated by Sholian Freeman

SHOW ALL WORK ON HERE!!

Q1: Subtract these fractions: $\frac{2}{3} - \frac{5}{8} =$ [ ]

Q2: What is $235.48 - 12.7$?

[ ]

Q3: Round 21.908 to the nearest hundredths. [ ]

Q4: The table shows the lengths of 4 pieces of rope.

Rope Lengths

Length (in meters)
5.46
5.089
5.6
5.17

Arrange these lengths from shortest (top) to longest (bottom).

5.17
5.6
5.089
5.46

Q5: Clarke ran for 2.8 miles on Sunday, 2 miles on Monday and 3.7 miles on Tuesday. Total distance covered by Clarke is ☐ miles.

Q6: In which number does the 5 represent a value 10 times the value represented by the 5 in $35,187$?

(A) $117,568$

(B) $247,351$

(C) $325,827$

(D) $453,362$

Q7: Deb has a board that measures 5 feet in length. How many $\frac{1}{4}$-foot-long pieces can Deb cut from the board?

Q8: 216 x 23 =

Q9: Mani, James, and Isidro equally shared $\frac{1}{2}$ of a pie. Which fraction of the whole pie did each of them receive?

Q10: How is the number five thousands and eighty-five thousandths written in decimal form?

ns.

Q11: Sarina rounded a number to the nearest whole number and got 7.

Which number could be the number Sarina rounded to the nearest whole number?

A 7.3782

B 7.6581

C 7.9275

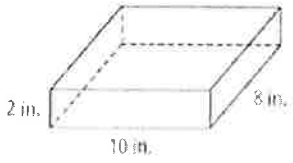
D 8.3497

Q12: Express your answer as a simplified mixed number. $8\frac{4}{7} - 3\frac{2}{7} =$ ☐

Q13: For the following numbers in the first column, identify the place of the digit 9 and put a check in that column.

Numbers	ones	tens	tenths	hundredths	hundreds
76.94					
493.725					
39.40					
827.491					

Q14: What is the volume of this box in cubic inches?



Volume = length × width × height

Q15: Evaluate:

$$5 \times (4 + 2) + 2$$

Q16: What is the value of the expression?

$$5\,(3 + 4)$$

Q17: What is the value of the expression below?

$$1,536 \div 24$$

Q18: Evaluate the following expression.

$\frac{2}{3} - \frac{8}{15} =$ ☐ .

Q19: Which <u>two</u> fractions could be used to represent the difference of $\frac{7}{12} - \frac{1}{4}$?

A $\frac{6}{12}$

B $\frac{4}{12}$

C $\frac{1}{3}$

D $\frac{1}{2}$

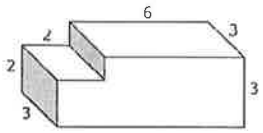
Q20: Scott had $\$12.58$.

- He purchased two apples for $\$1.13$ each and one bottle of juice for $\$1.76$.
- There was no sales tax.

How much money did Scott have after his purchases?

Q21: The solid below is made from two non-overlapping right rectangular prisms.

What is the volume of the solid?



Q22: $5\frac{1}{3} \times 1\frac{2}{4}$

Q23: Fill in the blank.

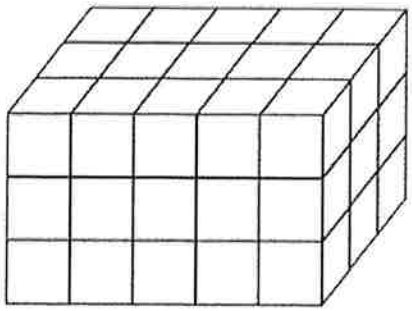
123.465 ____ 123.564

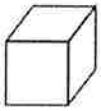
(A) >

(B) =

(C) <

Q24: What is the volume, in cubic centimeters, of the figure below?





= 1 cubic centimeter

Q25: Add the two numbers.

Write your answer as a whole number, a fraction or a mixed number.

$6\frac{7}{8} + \frac{3}{2} =$ ☐

Q26: Round 73.24 to the nearest tenths. ☐

Q27: Multiply:

$0.8 \times 0.5 =$ ☐

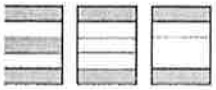
Q28: A recipe says that $2\frac{3}{5}$ cups of flour are needed to make 1 batch of biscuits.

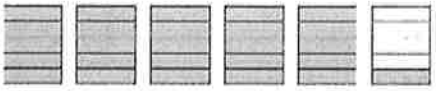
Part A

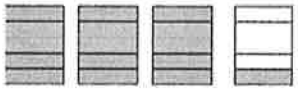
The figure below represents the number of cups of flour needed to make 1 batch of biscuits.

Choose a figure to represent the total number of cups of flour needed to make 2 batches of biscuits.

A 

B 

C 

D 

Part B

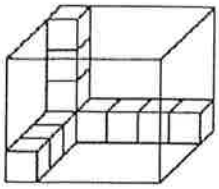
How many cups of flour are needed to make 2 batches of biscuits? Write your answer as a mixed number.

[ ] cups

Q29: Simplify your answer.

$9 \times \frac{5}{9} =$ [ ]

Q30: What is the volume of the rectangular prism in cubic units?



Q31: $4.95 + 7.21 =$ ☐

Q32: Mr.Diaz bought a board that was 12 feet long. He cut the entire board into pieces that were each $\frac{1}{3}$ foot long. How many pieces did Mr. Diaz have?

(A) 18

(B) 24

(C) 36

(D) 48

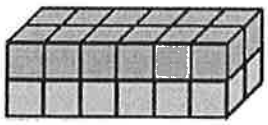
Q33: Use the standard algorithm to multiply.

Show all work

$876 \times 128 =$ ☐

Q34: Part A

Consider the rectangular prism given below.



Note: Include hidden cubes when calculating the volume.

The volume of the rectangular prism formed by the orange color is _____ cubic units.

Part B

The volume of the prism formed by the green color is [a] the volume of the prism formed by the orange color.

a.
- greater than
- equal to
- less than

Q35: The area of Tracy's backyard is $1\frac{1}{3}$ acres. She plants a garden that takes up $\frac{1}{3}$ of the backyard. What is the area, in acres, of the garden?

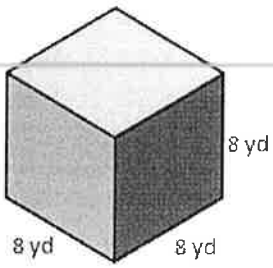
(A) $\frac{4}{9}$ acre

(B) 1 acre

(C) $1\frac{2}{3}$ acres

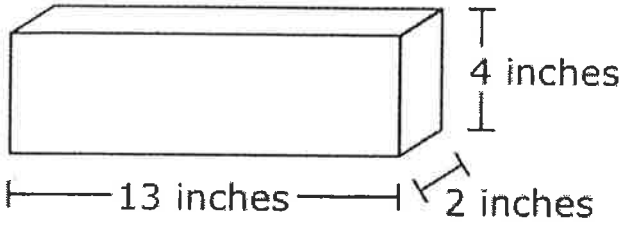
(D) 4 acres

Q36: Consider the figure below:



Volume of the figure is _____ cubic yards

Q37: A rectangular prism is shown.

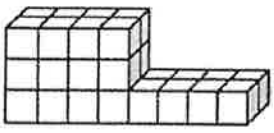


What is the volume of the rectangular prism?

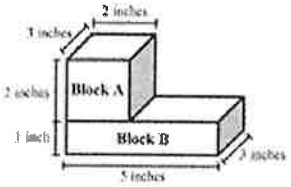
Enter your answer in the box.

[ ] cubic inches

Q38: Cece is building structures out of toy blocks of different sizes. She uses the diagrams and the measurements shown below. Structure 1 is made up of blocks that measure 1 cubic inch. Structure 2 is made up of Block A and Block B.



Structure 1



Structure 2

Part A

Which structure has a larger volume and by how many cubic inches? Show all of your work.

\

Part B

use ↓

Cece builds a new structure that has twice the volume of Structure 2. It is made up of two blocks, Block C and Block D. What could be the dimensions of Block C, and what could be the dimensions of Block D? Show or explain how you determined your answer.

Block C VC= ____ X ____ X ____ =

Block D VD= ____ X ____ X ____ =

Q39: Millie designed a rectangular label to put on the front of her scrapbook. The label was $\frac{5}{12}$ foot wide and $\frac{5}{6}$ foot long. What was the area, in square feet, of the label?

Q40: Katie and Tyler are working at their lemonade stand. An hour ago, their pitcher of lemonade was $\frac{7}{8}$ full. Since then, they have sold $\frac{1}{2}$ of a pitcher of lemonade.

What fraction of a pitcher do they have left? [ ]

Q41: Part A:

Branie has $\frac{1}{5}$ of a liters of milk. He wants to share it equally among himself and his 3 friends. What expression could represent this situation?

A $\frac{1}{5} \div 3$

B $3 \div \frac{1}{5}$

C $\frac{1}{5} \div 4$

D $4 \div \frac{1}{5}$

Part B:

How much milk will each person get?