

5th Grade Math Quiz #8

Name: _____

Date: _____

Show your work and be sure to circle answers.

1. The fifth-grade classes at Brookfield School used five identical buses to go on a field trip.
- There were a total of 40 seats on each bus.
 - All of the seats on four buses were filled.
 - The fifth bus had $\frac{4}{5}$ of the seats filled.
 - $\frac{1}{8}$ of all the passengers on the buses were adults.

How many adults went on the field trip with the fifth-grade classes?

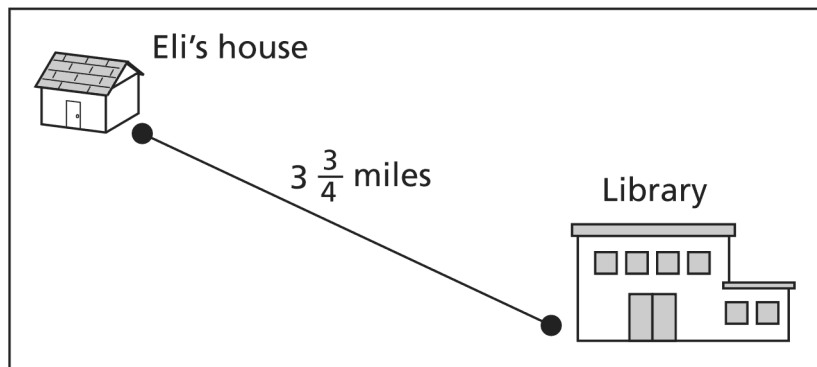
2. Hank and Debra each own two milking cows. One day, they milked their cows and compared the amount of milk the cows produced in that one day.

COW MILK PRODUCED

	Type of Cow	
	Jersey	Holstein
Hank's Cows (gallons of milk)	$4\frac{3}{4}$	$4\frac{1}{8}$
Debra's Cows (gallons of milk)	$5\frac{1}{2}$	$5\frac{2}{3}$

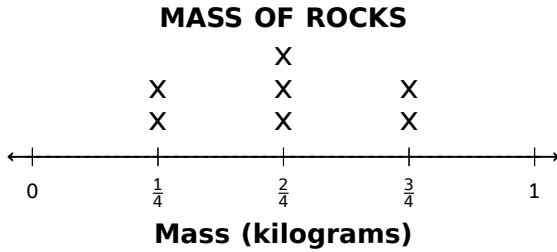
How many more gallons of milk did Debra's two cows produce on that day compared to Hank's two cows?

3. Eli lives $3\frac{3}{4}$ miles from the library.



He decided to bike from his home to the library to return some books. Eli biked $1\frac{1}{10}$ miles when he remembered that he had left a book at home, so he biked back home to get it. After getting the book from home, he biked to the library. What was the total distance, in miles, Eli had biked when he finally reached the library?

4. Jen determined the masses of 7 rocks. She recorded the mass of each rock on the line plot below.



What is the total mass, in kilograms, of the 7 rocks?

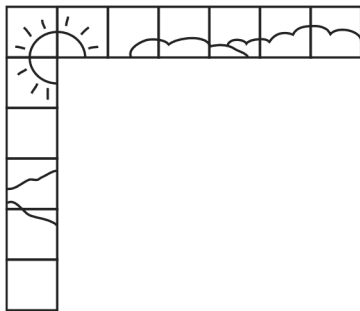
5. Kim's class voted on a location for a field trip.

- $\frac{3}{4}$ of the class voted for the museum
- $\frac{1}{8}$ of the class voted for the zoo

The rest of the class voted for the nature park.

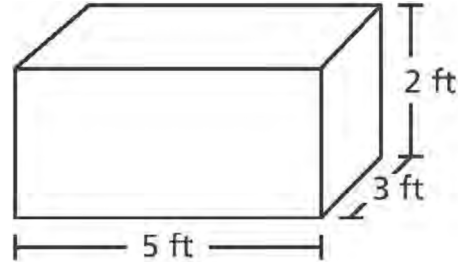
What fraction of the class voted for the nature park?

6. Tony began putting together a rectangular puzzle. He completed the top edge and left edge of the puzzle, as shown below. Each piece is a square that has a side length of $2\frac{1}{2}$ centimeters.



What is the total area, in square centimeters, of the completed puzzle?

7. A toy company uses the box shown below to package wooden cubes.

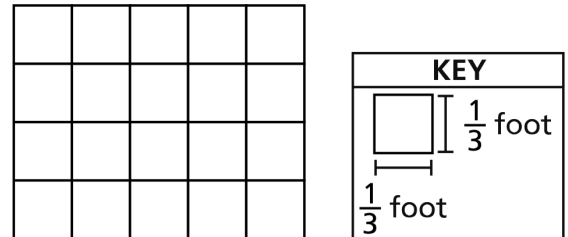


Each wooden cube has a volume of $\frac{1}{8}$ cubic foot. In total, how many wooden cubes will fit in the box?

8. Kwan had $16\frac{3}{4}$ inches of wire. He cut off $4\frac{2}{4}$ inches of wire to use in a craft project.

How much wire does Kwan have left?

9. A section of a rectangular floor is covered with square floor tiles, as shown below. Each square tile has a side length of $\frac{1}{3}$ foot.



What is the area, in square feet, of the section of the rectangular floor that is covered with floor tiles?

10. What is the value of the expression $\frac{1}{7} \div 5$?

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5th Grade Math Quiz #8 3/28/2020

1.
Answer: 24
Objective: CC 5.NF.6
Points: 1
2.
Answer: $2\frac{7}{24}$
Objective: CC 5.NF.2
Points: 1
3.
Answer: $5\frac{19}{20}$
Objective: CC 5.NF.2
Points: 1
4.
Answer: $3\frac{1}{2}$
Objective: CC 5.MD.2
Points: 1
5.
Answer: $\frac{1}{8}$
Objective: CC 5.NF.2
Points: 1
6.
Answer: $262\frac{1}{2}$
Objective: CC 5.NF.4b
Points: 1
7.
Answer: $\frac{20}{9}$ or $2\frac{2}{9}$ square feet
Objective: CC 5.NF.7c
Points: 1
8.
Answer: $12\frac{1}{4}$ inches
Objective: NYS 5.N.22
Points: 1
9.
Answer: 240
Objective: CC 5.NF.4b
Points: 1
10.
Answer: $\frac{1}{35}$
Objective: CC 5.NF.7a
Points: 1