

**Grade
6****Prerequisite Skills Test** (continued)

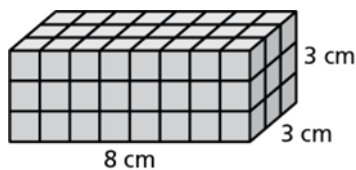
18. At lunchtime, $\frac{2}{3}$ of students at school buy juice. Of those students, $\frac{6}{7}$ buy apple juice. What fraction of the students buys apple juice? Write your answer in simplest form.
19. Your friend earns $8\frac{2}{3}$ dollars each hour. Does she have enough money to buy a \$32 toy after working $3\frac{3}{4}$ hours?
20. You have $\frac{1}{9}$ liter of hydrochloric acid. You equally divide the hydrochloric acid into 8 containers. What fraction of a liter of hydrochloric acid do you put into each container?
21. The table shows the weights of strawberries in 10 buckets. Make a line plot to display the data.

Weights (pound)				
$1\frac{3}{4}$	$\frac{2}{4}$	$\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{3}{4}$
$\frac{2}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{4}$	1

22. Point H is located at $(2, 5)$. Plot and label the point.
23. A baker makes 2 muffins for every 6 bagels. Complete the table. Then plot the ordered pairs.

Muffins	2	4			
Bagels	6	12			

24. Find the volume of the rectangular prism.



Prerequisite Skills Test Item Analysis

Item Number	Skills
1	writing a power of 10
2	comparing decimals
3	writing an expression
4	subtracting decimals
5	adding decimals
6	finding a product involving a power of 10
7	multiplying a multi-digit number by a multi-digit number
8	finding a product involving a decimal and a power of 10
9	multiplying a decimal by a decimal
10	dividing a three-digit number by a two-digit number
11	dividing a four-digit number by a two digit number
12	finding a quotient involving a power of 10
13	dividing a decimal by a two-digit number
14	solving a word problem involving adding fractions with unlike denominators
15	solving a word problem involving subtracting fractions with unlike denominators
16	adding mixed numbers with unlike denominators
17	subtracting mixed numbers with unlike denominators
18	solving a real-life problem involving multiplying a fraction by a fraction
19	solving a real-life problem involving multiplying a mixed number by a mixed number
20	solving a real-life problem involving dividing a unit fraction by a whole number
21	making a line plot
22	plotting a point in a coordinate plane
23	graphing and analyzing numerical patterns
24	finding the volume of a right rectangular prism