

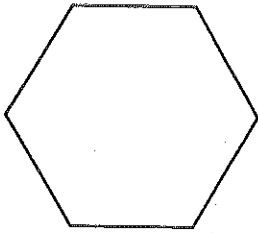
# + , - fractions

Name: \_\_\_\_\_

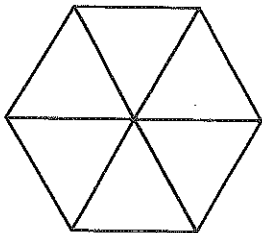
→ MUST SHOW ALL WORK ←

1.

Marie bought a large pastry shaped like the figure below.



Marie cut the pastry into 6 equal pieces, as shown below.

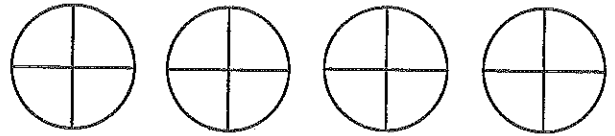


Marie ate  $\frac{1}{6}$  of the pastry for breakfast, and her brother ate  $\frac{1}{3}$  of the pastry for breakfast. Her father ate  $\frac{1}{6}$  of the pastry for a snack. What fraction of the pastry did Marie, her brother, and her father eat altogether?

- A  $\frac{1}{2}$
- B  $\frac{2}{3}$
- C  $\frac{3}{4}$
- D  $\frac{5}{6}$

2.

A family ordered 4 quesadillas at a restaurant. Each quesadilla was cut into 4 equal pieces, as shown below.



The picture below shows the quesadilla pieces that the family did not eat.



3.

What fraction of all 4 quesadillas did the family eat?

- A  $2\frac{1}{4}$
- B  $2\frac{1}{2}$
- C  $2\frac{3}{4}$
- D  $3\frac{1}{4}$

4.

Marvin painted  $\frac{1}{6}$  of his clay pot yellow and  $\frac{3}{5}$  of it green. What fraction of his clay pot did Marvin paint?

- (A)  $\frac{4}{30}$    (B)  $\frac{23}{30}$    (C)  $\frac{1}{30}$    (D)  $\frac{18}{30}$

6.

Which problem has a sum less than 1?

- A  $\frac{5}{7} + \frac{1}{6}$   
B  $\frac{3}{5} + \frac{1}{2}$   
C  $\frac{5}{8} + \frac{3}{7}$   
D  $\frac{3}{4} + \frac{2}{5}$

5.

Zach lives  $5\frac{1}{2}$  miles away from work. After biking  $2\frac{1}{3}$  miles, how many more miles must he still bike to reach his workplace?

- A  $7\frac{5}{6}$   
B  $7\frac{2}{5}$   
C  $3\frac{1}{5}$   
D  $3\frac{1}{6}$

7.

The windows on the first floor of a building are each  $3\frac{1}{2}$  yards wide. The windows on the second floor are each  $1\frac{7}{9}$  yards wide. How much wider are the windows on the first floor than on the second floor?

- A  $1\frac{13}{18}$  yd  
B  $1\frac{6}{7}$  yd  
C  $2\frac{13}{18}$  yd  
D  $2\frac{6}{7}$  yd

8.

You buy a  $7\frac{1}{2}$  foot rope. You cut it into three pieces. One piece is  $2\frac{5}{6}$  feet long and another is  $1\frac{1}{4}$  feet long. How long is the third piece?

9.

Which combination of spa services takes longer than 2 hours?

<b>Facial</b>	$1\frac{5}{12}$ h
<b>Massage</b>	$1\frac{1}{3}$ h
<b>Manicure</b>	$\frac{2}{3}$ h
<b>Pedicure</b>	$\frac{7}{12}$ h

- F Facial and Manicure
- G Facial and Pedicure
- H Massage and Manicure
- J Massage and Pedicure

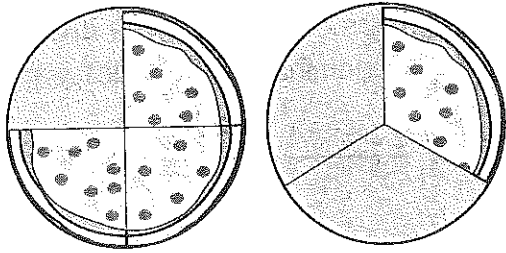
10.

A cookie recipe calls for  $2\frac{1}{3}$  cups flour,  $1\frac{1}{2}$  cups sugar, and  $\frac{2}{3}$  cup nuts. What is the total amount of these ingredients?

- A  $3\frac{3}{4}$  c
- B  $4\frac{1}{2}$  c
- C  $4\frac{2}{3}$  c
- D Not Here

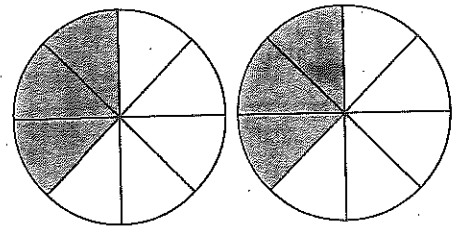
11.

How much more of a pizza is shown on the left side?



13.

Alice's mother took 2 cheesecakes to a party. After the party,  $\frac{3}{8}$  of each cheesecake was left. How much cheesecake was left in all?



- (A)  $\frac{6}{8}$     (B)  $\frac{2}{6}$     (C)  $\frac{2}{8}$     (D)  $\frac{3}{6}$

12.

Felipe lives  $\frac{1}{2}$  mile from school. Teresa lives  $\frac{7}{10}$  mile from school. Kim lives  $\frac{3}{5}$  mile from school. Who lives the closest, and what is the difference between the closest and the farthest person?

- A Kim;  $\frac{1}{10}$  mi  
B Teresa;  $\frac{1}{10}$  mi  
C Felipe;  $\frac{3}{10}$  mi  
D Felipe;  $\frac{1}{5}$  mi

14.

Lakeview is  $5\frac{1}{2}$  miles north of Kittering. Hillcrest is 3.6 miles south of Lakeview. How far is Kittering from Hillcrest?