$\qquad$ Date $\qquad$

## Fractions <br> Skill 5-12F

## Problem Solving

Answer: Test question 12F
Kevin spent $1 / 3$ of his money for a snack. He spent $2 / 4$ of his money for lunch. What fraction of his money did he spend in all? Write your answer in simplest form.

$$
\begin{array}{l|l|l|l|l|}
\hline \frac{1}{3}+\frac{2}{4} & \frac{1}{3} \times \frac{4}{4}=\frac{4}{12} & \frac{2}{4} \times \frac{3}{3}=\frac{6}{12} & \frac{4}{12}+\frac{6}{12}=\frac{10}{12} & \text { simplify } \frac{10}{12}=\frac{5}{6} \\
\hline
\end{array}
$$

Directions: Solve the following word problems.

1. John and Marcel shared a pizza. The pizza has eight slices. John ate 2 slices and Marcel ate 2 slices. Write 2 equivalent fractions for the part of the pizza that was left.
2. Andrew has 12 toy cars. Four of the cars are blue. Write 2 equivalent fractions that name the fraction of the cars that are blue. Write 2 equivalent fractions for the cars that are not blue.
3. Maria had 16 pieces of candy. She gave 3 pieces to Joan and 7 pieces to Wendy. Write 2 equivalent fractions that name the part of the candy that Maria has left.

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## Problem Solving

Directions: Solve the following word problems.
4. Nancy has $\$ 10.00$. She wants to buy a ring for $\$ 8.00$. Write a fraction that shows the cost of the ring. Write the fraction in simplest form.
5. Kyle has a goal of completing 20 math problems. He has 8 math problems completed. What fraction of the math problems does Kyle have left to complete. Write the fraction in simplest form.
6. Jason's goal is to sell 12 boxes of cookies. He sold 10 boxes. What fraction of the total number of boxes has Jason sold? Write the fraction in simplest form.
7. Michael spent $2 / 4$ of his money on Monday and $1 / 4$ of his money on Tuesday. What fraction of his money did he spend on both days?

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## Problem Solving

8. Joey and Sara shared a pizza. Joey ate $3 / 8$ of the pizza and Sara ate $2 / 8$ of the pizza. What fraction of the pizza did Joey and Sara eat?
9. Gary spent $3 / 8$ of his money on paper and $1 / 2$ of his money on a pen. Which item cost more?
10. Samantha has a toy car collection. In her collection $1 / 4$ of the cars are red and $3 / 8$ or the cars are blue. What fraction of the cars are not red or blue?
11. Nancy sold $2 / 5$ of her candies at lunchtime and $3 / 10$ of her candies after school. What fraction of her candies did she sell in all?

Answers: Skill 12F, Grade 5

| 1. $\frac{4}{8}$ or $\frac{1}{2}$ | 2. blue $\frac{4}{12}$ or $\frac{1}{3}$ not blue $\frac{8}{12}$ or $\frac{2}{3}$ | 3. $\frac{6}{16}$ or $\frac{3}{8}$ | 4. $\frac{8}{10}$ or $\frac{4}{5}$ |  |
| :--- | :--- | :--- | :--- | :--- |
| 5. $\frac{6}{10}$ | 6. $\frac{5}{6}$ | 7. $\frac{3}{4}$ | 8. $\frac{5}{8}$ | 9. the pen |
| 10. $\frac{1}{4}+\frac{3}{8}=\frac{2}{8}+\frac{3}{8}=\frac{5}{8}$ | cars not red or blue $=\frac{3}{8}$ | 11. $\frac{2}{5}+\frac{3}{10}=\frac{4}{10}+\frac{3}{10}=\frac{7}{10} \quad$ she sold $\frac{7}{10}$ |  |  |

