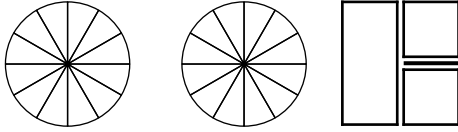


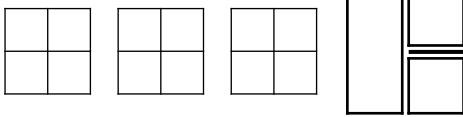
Convert Improper Fractions to Mixed Numbers

1. Show these improper fractions as a diagram and a mixed number.

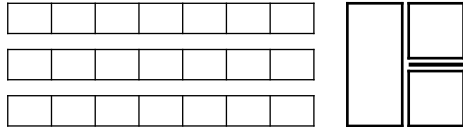
A. $\frac{17}{12}$



B. $\frac{9}{4}$



C. $\frac{16}{7}$



VF

4. Lenny has converted the improper fraction below into a mixed number.

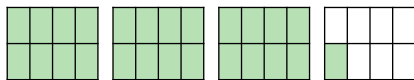
$$\frac{31}{10} = 30 \frac{1}{10}$$

What mistake has Lenny made? Explain your answer.

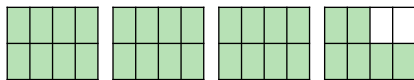
R

2. Which diagram matches the improper fraction?

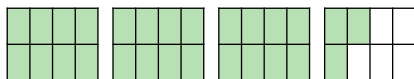
A.



B.



C.



D.



$\frac{27}{8}$

VF

5. Mr Hill has bought 7 large cookies for the children to share. Each cookie has been cut into 12 pieces.

He says,



There are $\frac{19}{12}$ of the cookies left. This means the children ate $5 \frac{3}{12}$ in total.

Is Mr Hill correct? Prove it.

R

3. A cake shop has baked 9 cakes to be sold.



Each cake is cut into 8 equal pieces. They sold 43 pieces of cake this morning.

How much cake has been sold?

Give your answer as a mixed number.

VF

6. Use the number cards to show an improper fraction as a mixed number.



$$\frac{\boxed{} \boxed{}}{\boxed{}} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

PS

Convert Improper Fractions to Mixed Numbers

1. A. 17 parts shaded = $1 \frac{5}{12}$; B. 9 parts shaded = $2 \frac{1}{4}$; C. 16 parts shaded = $2 \frac{2}{7}$

2. C

3. $\frac{43}{8} = 5 \frac{3}{8}$

4. Lenny has not converted $\frac{30}{10}$ into a whole number correctly. $\frac{30}{10}$ is equivalent to 3 wholes, not 30. Therefore, the correct answer is $\frac{31}{10} = 3 \frac{1}{10}$.

5. Mr Hill is incorrect. 7 large cookies cut into 12 pieces gives $\frac{84}{12}$. If $\frac{19}{12}$ remains, then the children must have eaten $\frac{84}{12} - \frac{19}{12} = \frac{65}{12} = 5 \frac{5}{12}$. The children have eaten 5 whole cookies and $\frac{5}{12}$.

6. $\frac{38}{9} = 4 \frac{2}{9}$