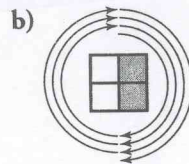
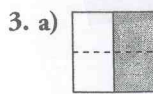


Grade 5 Chapter 12 Lesson 4 Improper Fractions and Mixed Numbers

Answers

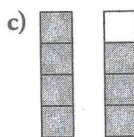
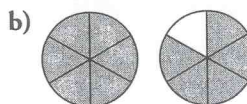
1. Since Teresa needed to baste the chicken every 15 min, which is $\frac{1}{4}$ of one hour. She needed to count around the clock until $1\frac{1}{4}$ hours had passed. So it was helpful to work with fourths.

2. $2\frac{2}{3}$ is equivalent to $\frac{8}{3}$. If I use a fraction circle that is divided into three parts, I can count thirds around the circle until I reach 8 thirds. You can see from the diagram that I went around the clock 2 and $\frac{2}{3}$ times.



c) $\frac{7}{2}$

The timer will ring 7 times.



5. a) $\frac{11}{3}$ hours

c) $\frac{7}{4}$ cups

b) $\frac{11}{6}$ hours

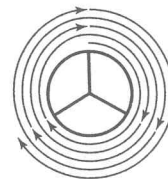
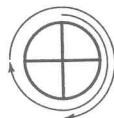
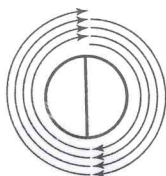
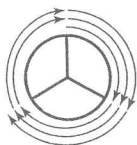
d) $\frac{13}{2}$ innings

6. a) $\frac{8}{3} h = 2\frac{2}{3} h$

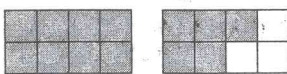
b) $\frac{8}{2} h = 4 h$

c) $\frac{6}{4} h = 1\frac{2}{4} h$ or $1\frac{1}{2} h$

d) $\frac{14}{3} h = 4\frac{2}{3} h$



7. a) $1\frac{5}{8}$ bars = $\frac{13}{8}$ bars



b) $2\frac{1}{8}$ bars = $\frac{17}{8}$ bars



c) 3 bars = $\frac{24}{8}$ bars



8. a) $3\frac{1}{3}$ hours is equivalent to $\frac{10}{3}$. For example, the video could be $\frac{1}{3}$ hours long since the fraction is in thirds.

b) For example, if the video is $\frac{1}{3}$ h or 20 min long, then Jose watched it 10 times.

9. For example, Jake has 6 boxes with 5 chocolate bars in each box. If Jake sold $5\frac{3}{5}$ boxes of his chocolate bars, how many bars did he sell?

Solution: He sold $\frac{28}{5}$ boxes of chocolate bars, or 28 bars.