REVIEW: Mixed Numbers and Improper Fractions

Name _____

Key Concept and Vocabulary

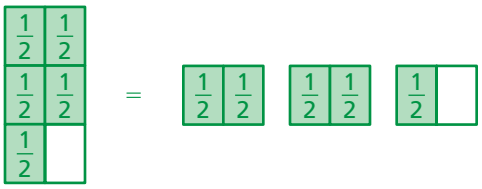
$\frac{5}{2} = 2\frac{1}{2}$

improper fraction

mixed number

Visual Model

$\frac{5}{2}$ = $2\frac{1}{2}$



Skill Examples

1. $\frac{7}{3} = 2\frac{1}{3}$

2. $\frac{8}{4} = 2$

3. $2\frac{1}{4} = \frac{8}{4} + \frac{1}{4} = \frac{9}{4}$

4. $3\frac{3}{5} = \frac{15}{5} + \frac{3}{5} = \frac{18}{5}$

Application Example

5. During a month, you used 13 half-hours of phone time. How many hours did you use?

13 halves → $\frac{13}{2} = 6\frac{1}{2}$ ← 6 and one-half

∴ You used $6\frac{1}{2}$ hours.

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Check your answers at BigIdeasMath.com.

Write the improper fraction as a mixed number.

6. $\frac{4}{3} =$ _____

7. $\frac{3}{2} =$ _____

8. $\frac{8}{3} =$ _____

9. $\frac{9}{6} =$ _____

10. $\frac{7}{4} =$ _____

11. $\frac{28}{3} =$ _____

12. $\frac{19}{4} =$ _____

13. $\frac{11}{2} =$ _____

Write the mixed number as an improper fraction.

14. $2\frac{2}{3} =$ _____

15. $5\frac{1}{4} =$ _____

16. $3\frac{2}{5} =$ _____

17. $1\frac{3}{8} =$ _____

18. Rewrite the sentence using a mixed number. Susan drinks five-fourths of a quart of milk.

_____

19. Rewrite the sentence using an improper fraction. Tom runs for 2 and one quarter hours.

_____

20. **NUMBER LINE** Graph the improper fractions on the number line: $\frac{5}{3}$, $\frac{7}{2}$, and $\frac{13}{3}$.