



SKILL 15: Improper Fractions, Quotients, and Mixed Numbers

A fraction shows division. The numerator is the dividend and the denominator is the divisor.

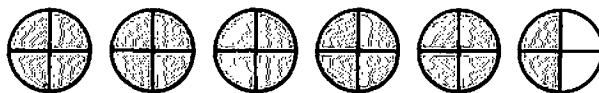
Example 1

Write $\frac{22}{4}$ as a whole or mixed number.

$$\begin{array}{r} 5 \text{ R}2 \\ 4 \overline{)22} \\ \underline{-20} \\ 2 \end{array}$$

The 2 in the remainder represents $\frac{2}{4}$, or $\frac{1}{2}$ in simplest form.

$$\frac{22}{4} = 5\frac{2}{4} = 5\frac{1}{2}$$



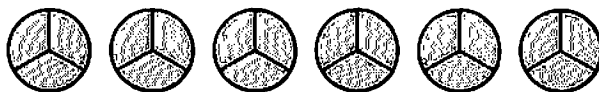
$$\frac{22}{4} = 5\frac{1}{2}$$

Example 2

Write $\frac{18}{3}$ as a whole or mixed number.

$$\begin{array}{r} 6 \\ 3 \overline{)18} \end{array}$$

$$\frac{18}{3} = 6$$



$$\frac{18}{3} = 6$$

Guided Practice

Answer each question.

- Write $\frac{34}{3}$ as a whole or mixed number.
 - What is the quotient? _____
 - What is the remainder? _____
 - Write the result as a mixed number. _____
- Write $\frac{62}{9}$ as a whole or mixed number.
 - What is the quotient? _____
 - What is the remainder? _____
 - Write the result as a mixed number. _____

Write each number as a whole or mixed number in simplest form.

3. $\frac{28}{7}$ _____

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

5. $\frac{7}{4}$ _____

SKILL 15: Practice

Write each fraction as a whole or mixed number.
Express fractions in simplest form.

- | | | |
|----------------------------|----------------------------|---------------------------|
| 1. $\frac{30}{6}$ _____ | 2. $\frac{43}{7}$ _____ | 3. $\frac{14}{7}$ _____ |
| 4. $\frac{24}{6}$ _____ | 5. $\frac{32}{16}$ _____ | 6. $\frac{48}{8}$ _____ |
| 7. $\frac{72}{9}$ _____ | 8. $\frac{80}{10}$ _____ | 9. $\frac{16}{5}$ _____ |
| 10. $\frac{56}{7}$ _____ | 11. $\frac{90}{9}$ _____ | 12. $\frac{68}{11}$ _____ |
| 13. $\frac{76}{12}$ _____ | 14. $\frac{45}{5}$ _____ | 15. $\frac{38}{19}$ _____ |
| 16. $\frac{88}{10}$ _____ | 17. $\frac{122}{11}$ _____ | 18. $\frac{96}{6}$ _____ |
| 19. $\frac{144}{12}$ _____ | 20. $\frac{56}{3}$ _____ | 21. $\frac{39}{9}$ _____ |
| 22. $\frac{120}{8}$ _____ | 23. $\frac{87}{3}$ _____ | 24. $\frac{67}{4}$ _____ |
| 25. $\frac{94}{3}$ _____ | 26. $\frac{135}{9}$ _____ | 27. $\frac{91}{7}$ _____ |

Show each dinosaur measurement as a mixed number.

28. A geranosaurus was $\frac{6}{5}$ m long. _____
29. Each arm of a deinocerius was $\frac{17}{2}$ ft long. _____
30. A hypsilophodon was $\frac{23}{10}$ m long. _____



31. Write $\frac{31}{7}$ as a whole or mixed number.

- | | |
|------------------|------------------|
| A 4 | C $\frac{4}{7}$ |
| B $3\frac{4}{7}$ | D $4\frac{3}{7}$ |

Skill 15

32. Which shows the mixed number for $\frac{53}{7}$?

- | | |
|------------------|-------------------|
| F $8\frac{4}{7}$ | H $7\frac{5}{7}$ |
| G $7\frac{4}{7}$ | J $6\frac{11}{7}$ |

Skill 14