

Lesson

10-5

Understand It!

Fractions can be written so that the numerator and denominator have no common factors other than 1.

Fractions in Simplest Form

March ~~2020~~

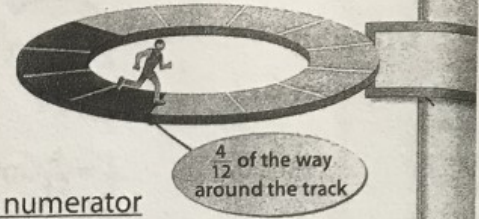
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How do you write a fraction in simplest form?

Jason ran $\frac{4}{12}$ of the way around the track. Write $\frac{4}{12}$ in simplest form.

Since 4 is a factor of 12, it is a common factor of 4 and 12.

A fraction is in simplest form when the numerator and denominator have no common factor other than 1.



Guided Practice*

Do you know HOW?

For 1 through 6, write each fraction in simplest form.

1. $\frac{6}{8}$

2. $\frac{15}{45}$

3. $\frac{10}{100}$

4. $\frac{16}{80}$

5. $\frac{21}{33}$

6. $\frac{12}{14}$

Do you UNDERSTAND?

7. **Writing to Explain** Explain how you can tell $\frac{4}{9}$ is in simplest form.

8. Jamal ran $\frac{8}{12}$ of the way around a track. Write this fraction in simplest form.

Tip If the numerator and denominator are even numbers, they have 2 as a common factor.

Independent Practice

In 9 through 33, write each fraction in simplest form.

If it is in simplest form, write simplest form.

9. $\frac{3}{12}$

10. $\frac{2}{10}$

11. $\frac{4}{8}$

12. $\frac{12}{16}$

13. $\frac{4}{6}$

14. $\frac{2}{5}$

15. $\frac{2}{6}$

16. $\frac{3}{16}$

17. $\frac{8}{10}$

18. $\frac{5}{12}$

19. $\frac{3}{7}$

20. $\frac{8}{20}$

21. $\frac{9}{10}$

22. $\frac{9}{15}$

23. $\frac{12}{20}$

24. $\frac{5}{6}$

25. $\frac{3}{9}$

26. $\frac{15}{18}$

27. $\frac{30}{40}$

28. $\frac{30}{35}$

29. $\frac{2}{3}$

30. $\frac{7}{14}$

31. $\frac{9}{16}$

32. $\frac{4}{12}$

33. $\frac{5}{15}$



