

## 7.4 Complex Fractions DAY TWO CYU

Use when you get it right all by yourself

*S* Use when you did it all by yourself, but made a silly mistake

*H* Use when you could do it alone with a little help from teacher or peer

*G* Use when you completed the problem in a group

*X* Use when a question was attempted but wrong (get help)

*N* Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
LCD	3	1, 2	4 - 8
Domain restriction in interval notation	3	1, 2	5 - 8
Adding rational expressions		2	5, 7, 8
Subtracting rational expressions	3	2	6
Dividing rational expressions	3	1, 2	4 - 8
Multiplying rational expressions	3	1, 2	4 - 8

$$1. \frac{\frac{6}{x-1}}{\frac{3}{x}}$$

$$\frac{2x}{x-1}$$

$$2. \frac{\frac{2a}{a-1} - \frac{3}{a}}{\frac{1}{a-1} + \frac{2}{a}}$$

$$\frac{2a^2 - 3a + 3}{3a - 2}$$

$$3. \frac{2 - \frac{1}{x}}{x}$$

$$\frac{2x-1}{x^2}$$

$$4. \frac{\frac{3x+y}{x^2-y^2}}{\frac{1}{x-y}}$$

$$\frac{3x+y}{x+y}$$

$$5. \frac{\frac{1}{x} + \frac{3}{2x}}{\frac{1}{3x} + \frac{3}{4x}}$$

$$\frac{30}{13}$$

$$6. \frac{\frac{r+6}{r} - \frac{1}{r+2}}{\frac{r^2+4r+3}{r^2+r}}$$

$$\frac{r+4}{r+2}$$

$$7. \frac{\frac{1}{x+2}}{6 + \frac{4}{x}}$$

$$\frac{x}{2(x+2)(3x+2)}$$

$$8. \frac{\frac{1}{x+2} + \frac{1}{x-5}}{\frac{2x^2-x-3}{x^2-3x-10}}$$

$$\frac{1}{x+1}$$

**CYU Reflection:** How far can you go: basic, intermediate, or advanced?

**Rate your mastery level!**

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

