## CYU 1.4 Exponent & Order of Operations DAY ONE

☑ 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)

NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Evaluating exponent notation	1 - 5	6-7	8 - 9
Order of Operations: PEMDAS	10 - 12	13 – 14, 17	15 – 16, 18 - 21

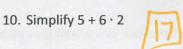
7. Evaluate 
$$\left(\frac{1}{5}\right)^3$$
.  $\left(\frac{1}{5}\right)\left(\frac{1}{5}\right)\left(\frac{1}{5}\right) = \boxed{125}$ 

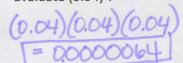
2. Evaluate 
$$3^3$$
.  $3 \cdot 3 \cdot 3 = 27$ 

5. Evaluate 
$$7^2$$
.  $7.7 = 49$ 

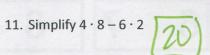
3. Evaluate 
$$1^5$$
.

6. Evaluate 
$$\left(\frac{2}{3}\right)^4$$
.





13. Simplify  $2 + (5 - 2) + 4^{\circ}$ 



14. Simplify 
$$5 \cdot 3^2$$





15. Simplify 
$$\frac{1}{4} \cdot \frac{2}{3} - \frac{1}{6}$$



16. Simplify 2[5 + 2(8 - 3)]



19. Simplify  $\frac{3+3(5+3)}{3^2+1}$ 



17. Simplify  $\frac{19-3.5}{6-4}$ 



20. Simplify 2 + 3 [10 (4.5 - 16) - 30]



18. Simplify  $\frac{|6-2|+3}{8+2\cdot 5}$ 



21. Simplify  $\left(\frac{2}{3}\right)^3 + \frac{1}{9} + \frac{1}{3} \cdot \frac{4}{3}$ 



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.

