

9-29-17

Aim: SWBAT evaluate expressions using the Order of Operations.

HW: Textbook Pg. 79 # 26 - 30

Test Tuesday

Do Now: Textbook Pg. 21 # 29 - 31 odd

Practice Integer Operations

- » IXL.com - requires a subscription
- » aaamath.com - free

Pg. 21 # 25-35 odd; Pg. 79 # 26-33

$$\begin{aligned} (25) \quad & (2+1)^4 \div 9 - 4 \\ & \quad \downarrow \\ & (3)^4 \div 9 - 4 \\ & \quad \downarrow \\ & 81 \div 9 - 4 \\ & \quad \downarrow \\ & 9 - 4 \\ & \quad \downarrow \\ & 5 \end{aligned}$$

$$\begin{aligned} (27) \quad & (5 \times 3)^2 - 4 \\ & \quad \downarrow \\ & 15^2 - 4 \\ & \quad \downarrow \\ & 225 - 4 \\ & \quad \downarrow \\ & 221 \end{aligned}$$

Pem DAS

$$\begin{aligned} (29) \quad & 500 \div (12-7) \\ & \quad \downarrow \\ & 500 \div (5) \\ & \quad \downarrow \\ & 500 \div 5 \\ & \quad \downarrow \\ & 100 \end{aligned}$$

$$\begin{aligned} (31) \quad & (9-7)^5 + 17 \\ & \quad \downarrow \\ & (2)^5 + 17 \\ & \quad \downarrow \\ & 32 + 17 \\ & \quad \downarrow \\ & 49 \end{aligned}$$

2.2.2.2.2

$$\frac{3}{4} \times 4$$

$$\begin{aligned} (33) \quad & 9^2 - 3^3 \\ & \quad \downarrow \\ & 81 - 3^3 \\ & \quad \downarrow \\ & 81 - 27 \\ & \quad \downarrow \\ & 54 \end{aligned}$$

$$\begin{aligned} (35) \quad & \frac{3}{4} \times 4 + 6^2 \div 9 \\ & \quad \downarrow \quad \downarrow \\ & \frac{3}{4} \times 4 + 36 \div 9 \\ & \quad \downarrow \quad \downarrow \\ & 3 + 36 \div 9 \\ & \quad \downarrow \\ & 3 + 4 \\ & \quad \downarrow \\ & 7 \end{aligned}$$

careful there

$$\frac{3}{4} \cdot \frac{4}{1} = \frac{3}{1}$$

Use PE \boxed{MD} \boxed{AS} and work down.

Remember, multiplication and division get completed from left to right. So does addition and subtraction.

26.

$$2 + 3(-4) \div 6$$

PEMDAS

$$2 + (-12) \div 6$$
$$2 \oplus -2$$
$$0$$

Work on HW: Textbook Pg. 79 # 26 - 30 and we'll help!

Finish this assignment over the weekend.