

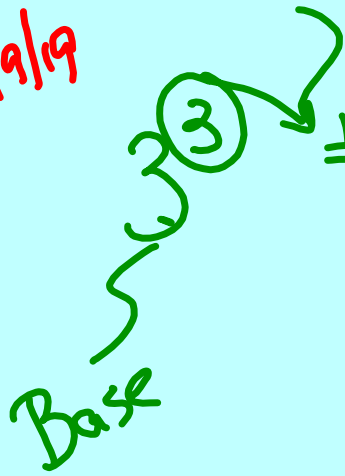
High School Entrance Question

Divide: $24 \div \frac{3}{4}$

$$24 \div \frac{3}{4} = 24 \cdot \frac{4}{3} = 32$$

Exponents → Exponential Notation

9/9/19



$$3 \cdot 3 \cdot 3$$

$$27$$

simplify

$$(-4)^2$$

$$-4 \cdot -4$$

$$16$$

$$\left(\frac{1}{2}\right)^4$$

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

$$\frac{1}{16}$$

Equivalent Expressions in Exponents

Can you find a way to express

8 in exponential form?

What about 32? 64?

$$4 \cdot 2 = 8$$

$$2^2 \cdot 2 = 2^3$$

$$6^0$$

$$8^0$$

$$8 \cdot 4$$

$$4 \cdot 2 \cdot 2 \cdot 2$$

$$2^5 = 32$$

$$64$$

$$32 \cdot 2$$

$$2^5 \cdot 2 = 2^6$$

$$8^2$$

27 Find equiv. expression
using exponents

$$3 \cdot 3 \cdot 3 \quad 3^3$$

Mario says 16 is equivalent to 2^4 . Is he correct?
why or why not

$2 \cdot 2 \cdot 2 \cdot 2$
4 . 4

Evaluate if $n=3$ $p=5$

$$3^n + 2^p$$

$$3^3 + 2^5$$

$$27 + 32$$

$$59$$

Hwk

p.20 13+16

p.21 evens