

## Exponent Quiz

$11^3$

$$\begin{array}{r} 11 \\ \times 11 \\ \hline 11 \\ 110 \\ \hline 121 \\ \times 11 \\ \hline 121 \\ 1210 \\ \hline 1,331 \end{array}$$

$$1,331$$

!!

$$10^7$$

Shortcut: 1 followed by 7 zeros

$$10^2 = 100$$

$$10^3 = 1000$$

$$10^7 = 10,000,000$$

## Order of Operations

① P ( ) Do parentheses first.

② E  $2^3$  Do exponents second.

③ MD Third, multiply or divide, from left to right in the problem.

④ AS Fourth, add or subtract, from left to right in the problem.

$$25 - 5 \cdot 3 + 2^3$$

~~P~~~~E~~

MD

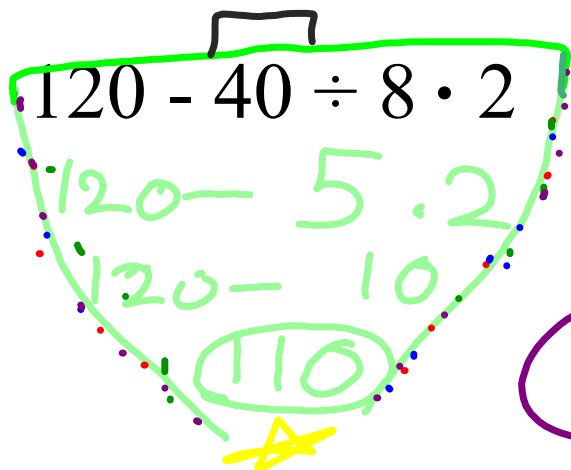
AS

Handwritten calculation of  $25 - 5 \cdot 3 + 2^3$  in red ink, enclosed in a green oval:

$$\begin{aligned} 25 - 5 \cdot 3 + 8 \\ 25 - 15 + 8 \\ 10 + 8 \\ 18 \end{aligned}$$

$$5 + 5(3 + 4)$$
$$5 + 5(7)$$
$$5 + 35$$
$$(40)$$

~~P~~  
~~E~~  
MD  
AS



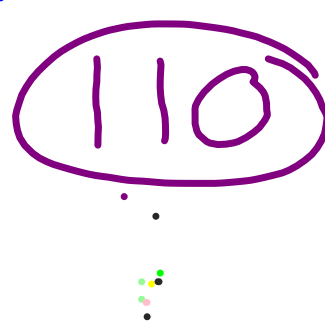
120 - 40 ÷ 8 · 2

120 - 5 · 2

120 - 10

110

★



110

P  
E  
MD  
AS

$$8 + 2(10 - 7)^2$$

$$8 + 2(10 - 7)^2$$

$$\begin{array}{l} 8 + 2(3^2) \\ 8 + 2(9) \\ 8 + 18 \\ \hline 26 \end{array}$$

~~P~~ ( )  
E  $3^2$   
MD  $\times \div$   
AS  $+ -$

What is the probability of spinning green?



$P(\text{green})$

Fraction

Percent

$$\frac{1}{5} = \frac{20}{100}$$

20%



What is the probability of spinning Beaver colors?



<u>Fraction</u>	<u>Percent</u>
$\frac{2}{5}$	$\frac{20}{20} = \frac{40}{100} = 40\%$

