#5 Challenge:

Which expression has the greatest value when $x = 10$ and $y = 0.5$?

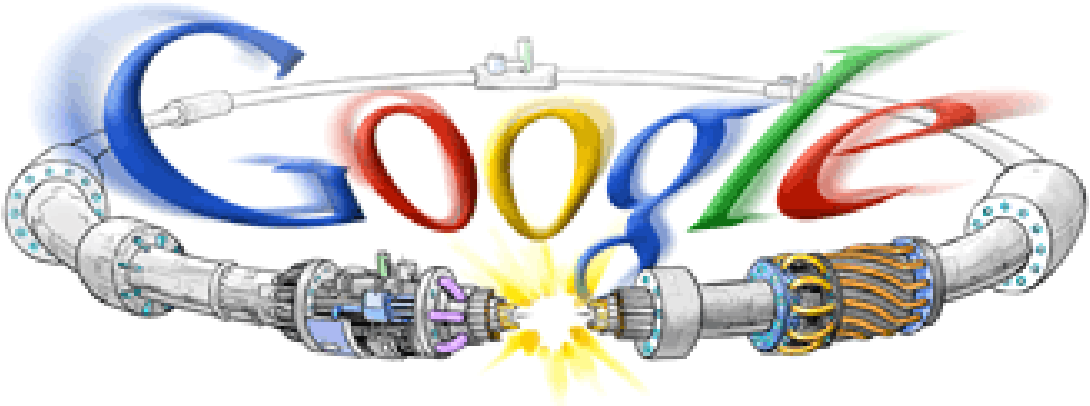
a. xy

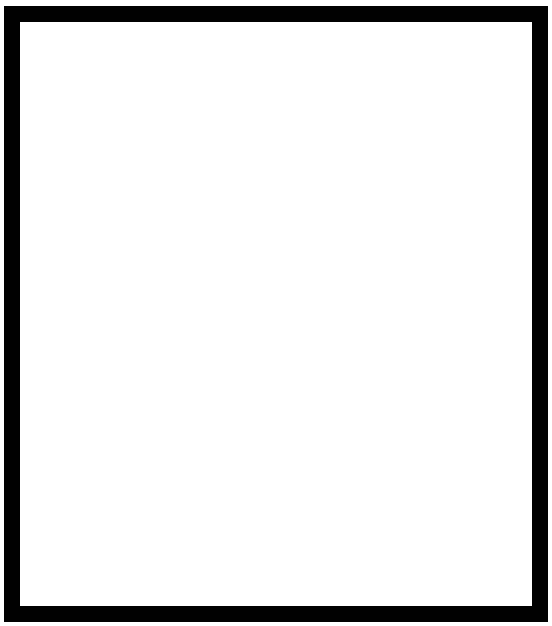
b. $x - y$

c. $\frac{x}{y}$

d. $\frac{y}{x}$

Applying Powers





SQUARE

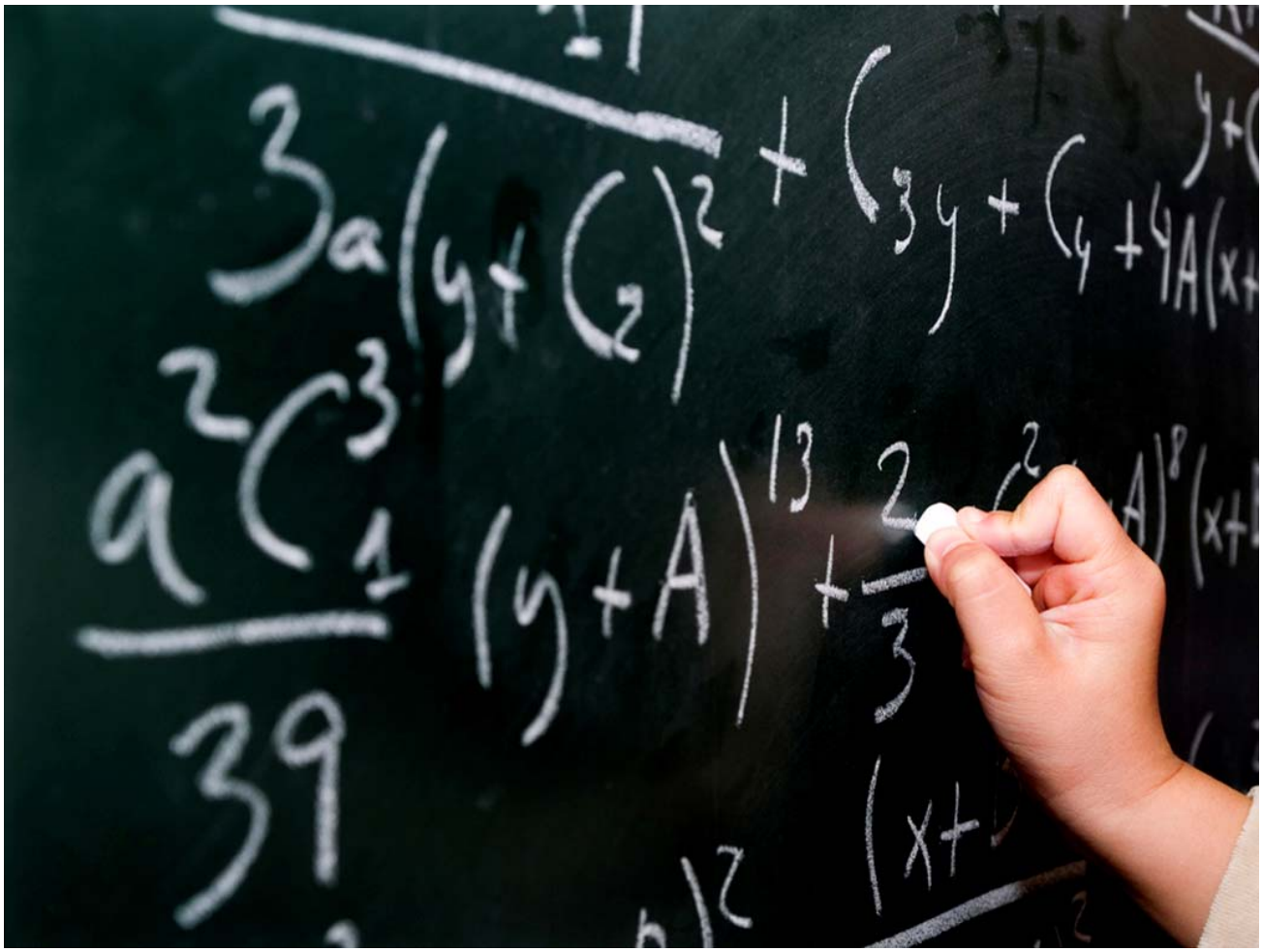
All Sides Equal

AREA of SQUARE

It's the INSIDE

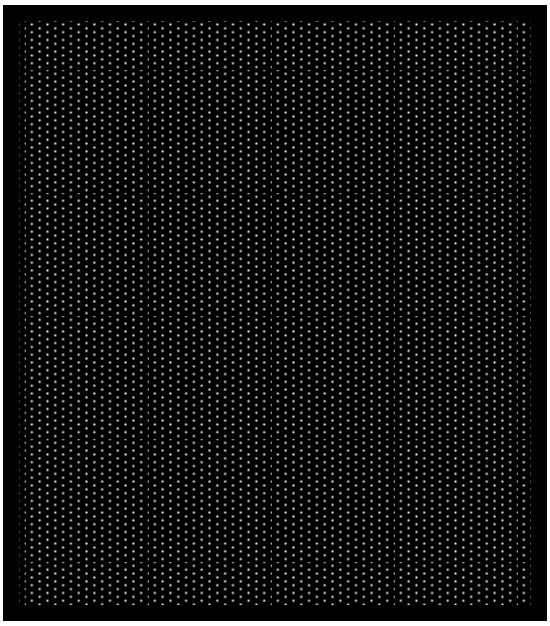
What is the area of the carpet if its side is 12 ft?

We use a FORMULA!



FORMULA for the AREA of a SQUARE is

$AREA = s^2$



$$\text{AREA} = s^2$$

$$A = s^2$$

12

If the side of a square carpet is 12, what is the AREA of the square?

It’s another case of

DOUBLES

Find the area for the following squares. Write out the formula:

Example:
Find the area of a square whose side is 10 ft.

$$A = s^2$$
$$A = (10\text{ ft})^2$$
$$A = (10\text{ ft})(10\text{ ft})$$
$$A = 100\text{ ft}^2$$

Find the area of a square whose side is:

8 ft	3.5 yd

ft = feet m = meters
yd = yards in = inches
cm = centimeters

Show all work in your notebook.

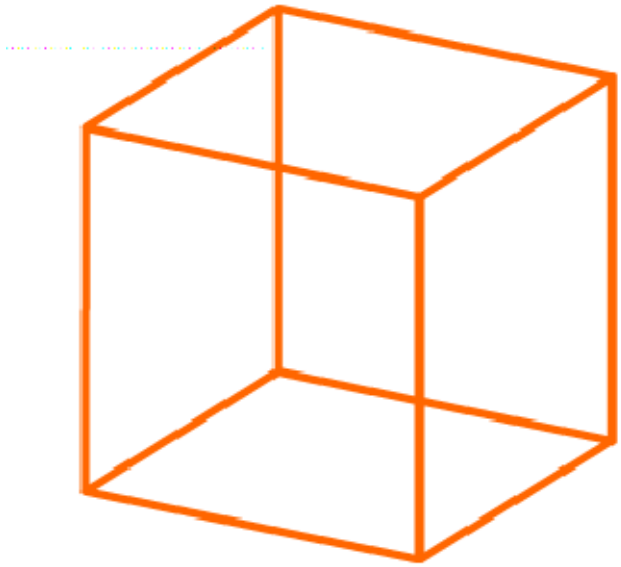
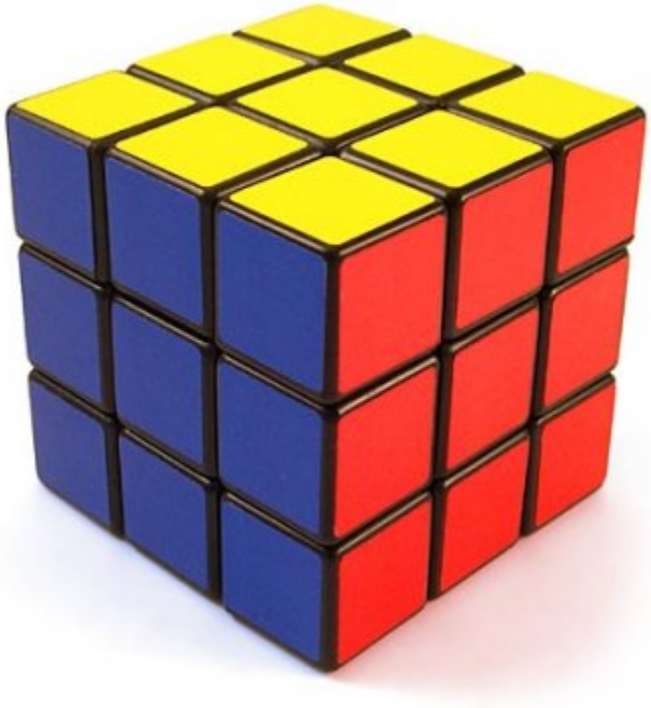
Find the area of a square whose side is:

a. 9 in

b. 16 cm

c. 13 ft

d. 20 yd

e. 7 m

f. 14 yd