Warm-Up October 19, 2015

1. -2^6

(-2^6) $(-2)^6$

A. What is the base? 2

B. Write as a repeated multiplication. $-(2\times2\times2\times2\times2\times2)$

C. Evaluate -64

2. Evaluate.

a) $(18 \div 3^2 + 1)^4 - 4^2$

$(18\div9+1)^4-16$

$(2+1)^4-16$

$(3)^4-16$

$81-16$

65

b) $3^3 \div 9(3^0 - 2^2)$

$27\div9(1-4)$

$27\div9(-3)$

$3(-3)$

-9

c) $(12^2 + 5^3)^0 - 2[(-3)^3]$

$(144+125)^0-2(-27)$

$1-2(-27)$

$1--54$

55

$$(8-5)^3+2^5\div(-4^2)$$

$(3)^3 + 32 \div -16$

$27 + 32 \div -16$

$27 + -2$

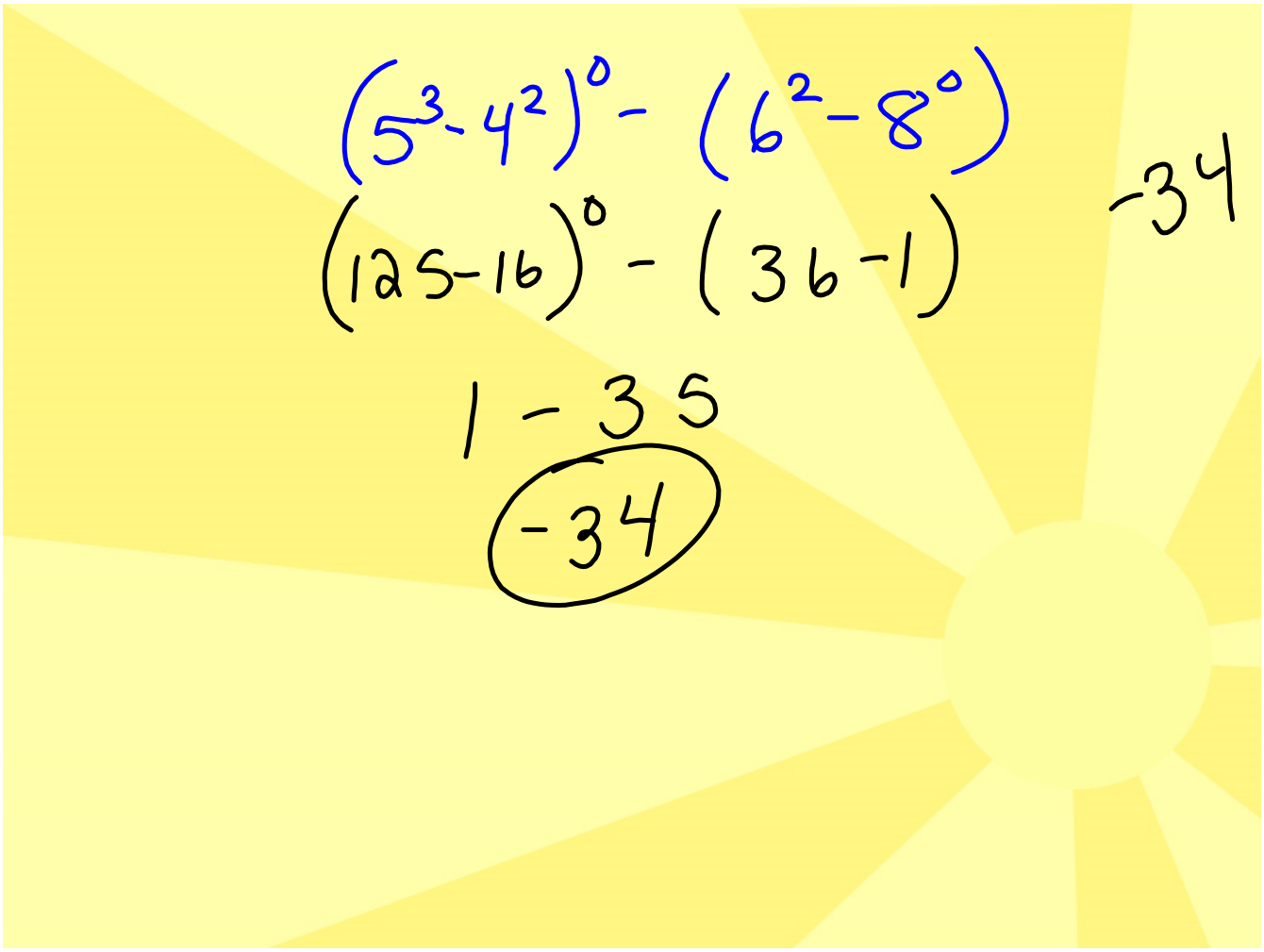
25

$\cancel{4} \times (-4)^2$

25

29

25


$(5^3 - 4^2)^0 - (6^2 - 8^0)$
$(125 - 16)^0 - (36 - 1)$
$1 - 35$
-34
-34

$$\frac{3^2\,(\,2^3 + 3^0)^3 + 3^2}{4^2 - 5^2}$$

$$\frac{9(8+1)^3 + 9}{16-25}$$

$$\frac{9(9)^3 + 9}{-9}$$

$$\frac{9(729)+9}{-9}$$

$$\frac{6561+9}{-9}$$

$$\frac{6570}{-9} = -730$$

-730

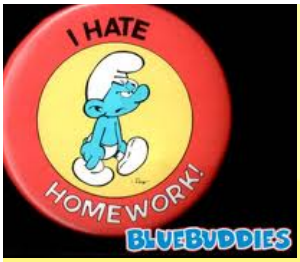
BEDMAS

$$\frac{2^4 + (16 - 3 \times 4)}{(6+3^2) \div (7-4)}$$

$$\frac{16 + (16-12)}{(6+9) \div 3}$$

$$\frac{16 + 4}{15 \div 3}$$

$$\frac{20}{5} \div 4$$



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8, 10, 16, 18 [a] ,19

Evaluate show your work.

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8. a) 3 e) 4
b) 54 f) -54
c) 37
d) -8

#10 a) -392
b) -216
c) -8
d) 9
e) 16 f) 1

#16.
a) -197568
b) -92000
c) -4
d) 40.5
e) 169744
f) -118519