

# Study Guide #7

due Friday 11-30-18

back

Orange

18  
20  
4

Green

19  
23  
105  
21  
17

Purple

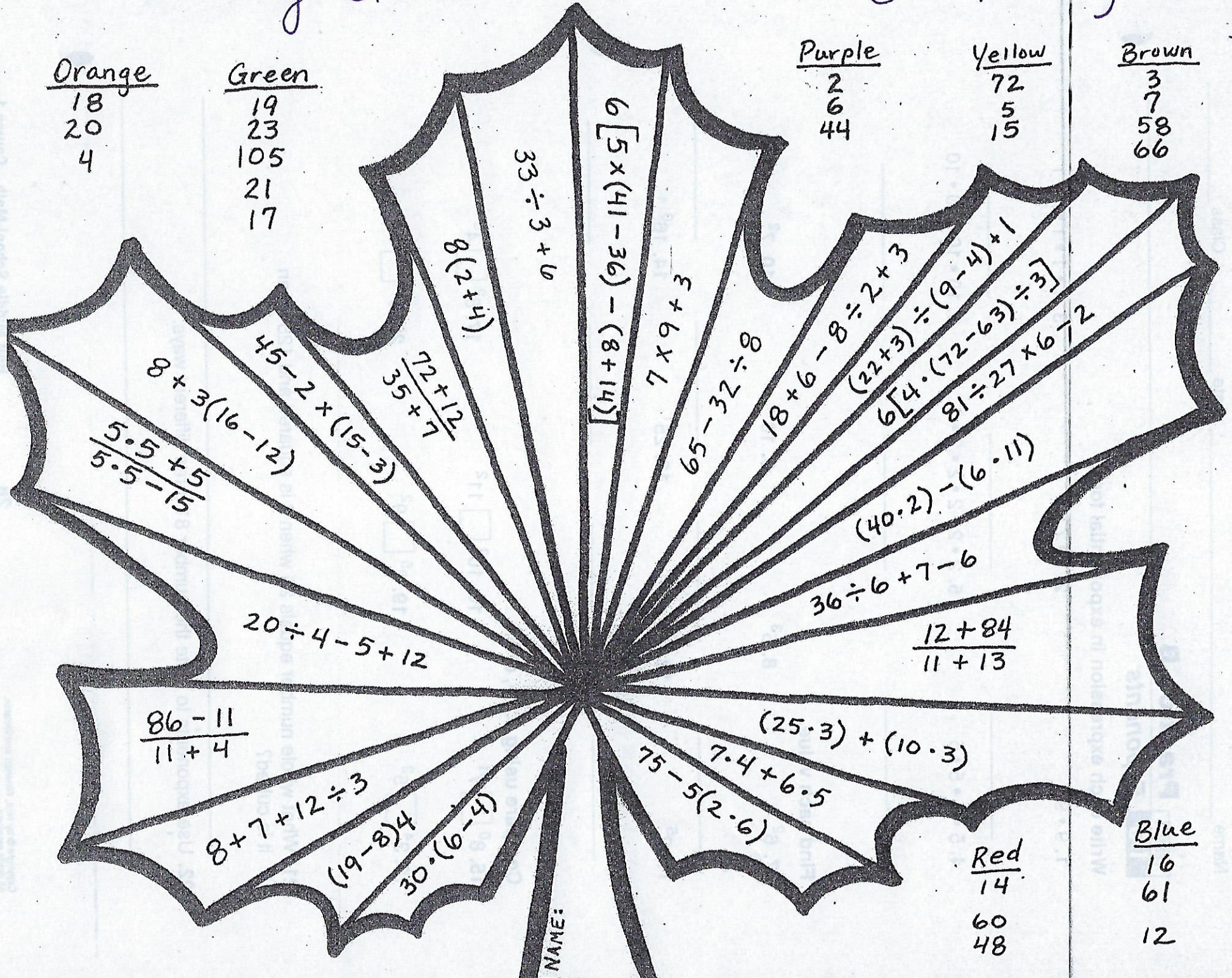
2  
6  
44

Yellow

72  
5  
15

Brown

3  
7  
58  
66



Order of operations

NAME:

Red

14  
60  
48

Blue

16  
61  
12

**LESSON** **Practice B**  
**1-3 Exponents**

Write each expression in exponential form.

1.  $9 \cdot 9$

\_\_\_\_\_

2.  $7 \cdot 7 \cdot 7$

\_\_\_\_\_

3.  $1 \cdot 1 \cdot 1 \cdot 1 \cdot 1$

\_\_\_\_\_

$7^3$

4.  $5 \cdot 5 \cdot 5 \cdot 5$

\_\_\_\_\_

5.  $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

\_\_\_\_\_

6.  $10 \cdot 10 \cdot 10 \cdot 10$

\_\_\_\_\_

Find each value.

7.  $6^2$

\_\_\_\_\_

8.  $5^3$

\_\_\_\_\_

9.  $10^3$

\_\_\_\_\_

10.  $7^2$

\_\_\_\_\_

$7 \cdot 7$   
 $49$

11.  $2^5$

\_\_\_\_\_

12.  $3^4$

\_\_\_\_\_

13.  $25^1$

\_\_\_\_\_

14.  $16^0$

\_\_\_\_\_

Compare using  $<$ ,  $>$ , or  $=$ .

15.  $8^0$   $>$   $7^1$

16.  $10^2$   $\square$   $11^2$

17.  $8^2$   $\square$   $4^3$

18.  $3^4$   $\square$   $5^2$

19.  $2^5$   $\square$   $9^2$

20.  $6^2$   $\square$   $3^3$

21. What whole number equals 25 when it is squared and 125 when it is cubed?

\_\_\_\_\_

22. Use exponents to write the number 81 three different ways.

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