Words	Expression	Value of the Expression
the sum of 4 and 2 divided by 3		
15 minus the sum of 3 and 2		
20 times the difference of 50 and 40		
divide the difference between 37 and 33 by 2		
5 times the difference of 16 and 4		
the product of 6 and 2 added to the quotient of 9 and 3		
	12 - (8 + 3)	
	24 ÷ (12 - 6)	
	(7 x 3) - (5 + 6)	

2. Compare WITHOUT doing the calculation. Explain how you got your answer.

3. Convert from standard form to unit form

4. Rewrite in expanded form, using exponents.		
241 =		
241 -		
3271 =		
E40 -		
540 =		
5. Tate wants to buy 5 racing bicycles for his triathlon to How much must Tate pay to buy 5 bicycles?	eam. Each bicycle cost \$510.75.	
6. Hayden is <u>very</u> hungry for junk food. Each Junkie Bar Hayden spend if he buys 27 Junkie Bars?	costs 15 cents. How much will	
7. Sophia is making bows for Thanksgiving baskets. Each bow requires 2.4 yards of ribbon. Sophia wants to make 45 bows. How many FEET of ribbon must she buy?		
0		
8. Mrs. Felix's class plans to make 100 times as many be expression using an exponent to show how many YARDS buy for her class!		

Words	Expression	Value of the Expression
the sum of 4 and 2 divided by 3	(4+2) ÷ 3	2
15 minus the sum of 3 and 2	15 - (3+2)	10
20 times the difference of 50 and 40	20 x (50-40)	200
divide the difference between 37 and 33 by 2	(37-33) ÷ 2	2
5 times the difference of 16 and 4	5 x (16-4)	60
the product of 6 and 2 added to the quotient of 9 and 3	(6×2) + (9÷3)	15
12 minus the sum of 8	12 - (8 + 3)	12 - 1 - 1
24 divided by the difference between 12 an 6	24 ÷ (12 - 6)	- 4
the productof 7 and 3 minus the sum of 5 and 6	(7 x 3) - (5 + 6)	10

2. Compare WITHOUT doing the calculation. Explain how you got your answer.

200 x 7 200 × 9 The product of 25 and 8 is 200, so 200 nines is greater than 200 sevens.

17 eights

20 eights - 2 eights 20 eights minus 2 eights is 18 eights. 18 eights is greater than 17 eights.

20 eighteens, doubled

40 eighteens

18 eights

20 doubled is 40. 40 eighteens is equal to 18 forties (commutative property).

3. Convert from standard form to unit form

 $2.5 = \underline{25}$ tenths

1.45 = 145 hundredths

22.31 = 2,23 hundredths

4. Rewrite in expanded form, using exponents.

$$241 = (2 \times 10^{2}) + (4 \times 10) + (1 \times 1)$$

$$3271 = (3 \times 10^{3}) + (2 \times 10^{2}) + (1 \times 10) + (1 \times 1)$$

$$540 = (5 \times 10^{2}) + (4 \times 10)$$

5. Tate wants to buy 5 racing bicycles for his triathlon team. Each bicycle cost \$510.75. How much must Tate pay to buy 5 bicycles?

\$510.75
$$\rightarrow$$
 51075 hundredths
 \times 5 \rightarrow \times 5 \rightarrow 1
255375 hundredths = 2,553.75
Tate must pay \$2,553.75 for 5 bikes.

6. Hayden is very hungry for junk food. Each Junkie Bar costs 15 cents. How much will Hayden spend if he buys 27 Junkie Bars?

$$$0.15$$
 $\times 27$
 $10 + 5$ hundredths

 $7 70 35 = 105$
 $20 200 100 = 300$
 405 hundredths = \$4.05

Hayden will spend \$4.05 on 27 Junkie Bars.

7. Sophia is making bows for Thanksgiving baskets. Each bow requires 2.4 yards of

ribbon. Sophia wants to make 45 bows. How many FEET of ribbon must she buy?

2.4

$$\times$$
 45

 \times 45

 \times 45

 \times 40

 \times 800

 \times 108

 \times 108

8. Mrs. Felix's class plans to make 100 times as many bows as Sophia makes. Write an expression using an exponent to show how many YARDS of ribbon Mrs. Felix will have to buy for her class!