

**Study Guide-- Order of Operations,
Decimals, Fractions, Percents,
Percent of a Number, Exponents**

Name _____

Date _____

1. Write $5^2 \cdot 3^3$ as a product.

1. _____

2. Write 17 cubed using exponents.

2. _____

Complete the following table. Write fractions in simplest form.

Fraction	Decimal	Percent
$\frac{1}{3}$	3.	4.
5.	6.	22%

Evaluate each expression.

7. $(9 + 10) + 4 \cdot 6 \div 6 \cdot 2$

7. _____

8. $\frac{4 \cdot 3^2}{6^2}$

8. _____

9. $100 \div 10 \cdot 3 - 5^2$

9. _____

Evaluate each expression if $r = 5$, $s = 6$, and $n = 8$

10. $4n - s$

10. _____

11. $\frac{rs}{n-r}$

11. _____

12. $rsn \div 2^2$

12. _____

Find the percent of each number.

13. 39% of 432

13. _____

14. 15% of 40

14. _____

15. 0.4 % of 20

15. _____

Estimate each percent.

16. 77% of 39

16. _____

17. 9% of 91

17. _____

18. 23% of 406

18. _____

19. Order the rational numbers from least to greatest:

19. _____

0.61 59% $\frac{5}{8}$