

Problems 1 to 3: List ALL the factors of the following:

1) 80

2) $21x^3$

3) $9ef^2$

Problems 4 to 7: Prime factor the numbers and list both expanded and exponential forms.

4) 160

5) $80x^2y^3z$

6) 225

7) 81

Problems 8 to 11: Find the GCF and LCM of the following using prime factorization:

20 and 75

8) GCF = _____

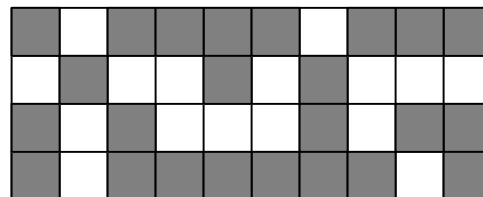
9) LCM = _____

$18a^4b^2$ and $54a^3b$

10) GCF = _____

11) LCM = _____

- 12) Write the shaded portion of the following rectangle as a **fraction, decimal, and a percent**.



- 13) Of 40 children, 2 have red hair, 20 have blonde hair, 12 have brown hair, and 6 have black hair. Write the number of students with brown hair as a **fraction, decimal and a percent**.

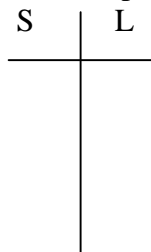
Problems 14 to 19: Fill-in the other two forms of the given number:

	Decimal	Fraction	Percent
14) & 15)	7.3	_____	_____
16) & 17)	_____	$\frac{11}{4}$	_____
18) & 19)	_____	_____	112%

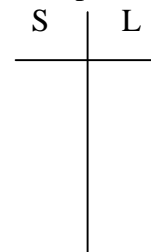
Problems 20 to 23: Use the following data:

9, 20, 34, 11, 5, 36, 29, 42, 2, 18, 26, 21, 35, 46, 20, 7, 18, 14, 37, 19, 44, 49, 23

20) Make a stem and leaf plot

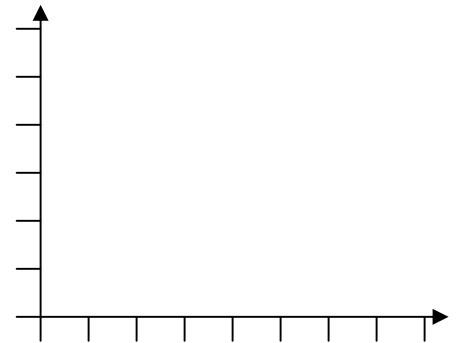


21) Put the stem and leaf plot in numerical order



22) List the data in the correct numerical order.

23) Make a histogram of the data. On the *y*-axis start with 0 and use intervals of 1.



24) Using 96 squares, how many different rectangles can you make? Make a sketch of each one.