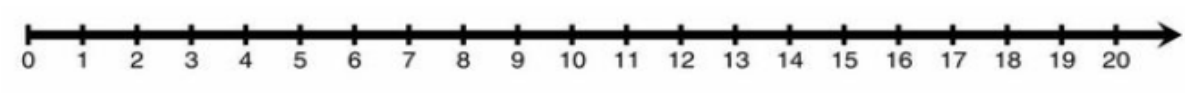
Show What you Know about Math! Name_____

How do you feel about Math? Circle one

1) Write the value of the underlined digit: $4.268\underline{4}51$	2) Circle all the numbers divisible by 3 135 65 355 54 9
3) All these numbers are divisible by what number? 15 45 90 10 125	4) What is the greatest common factor of 48, 16 and 40?
5) Use any method you like to write all the prime factors of 36	6) What is the least common multiple of 3,4, and 6?
7) Circle all the prime numbers 10 15 17 5 21 29 11	8) $\sqrt{121}$ =
9) 8^2=	10) Calculate $10 \div 2 + 3 \times (9 - 2) =$

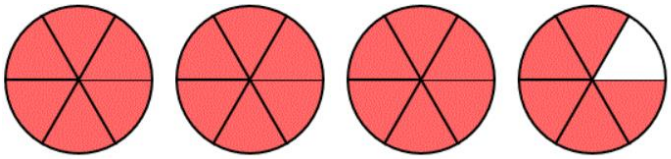
11) Show approximately where $\sqrt{75}$ would go on the number line



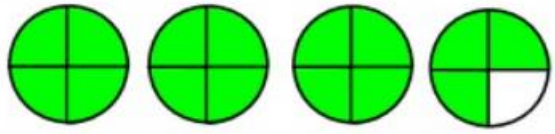
12) Write in lowest terms (reduce/simplify)

$$\frac{12}{18}$$

13) Express as an improper fraction



14) Express as a mixed number



15) Express as a mixed number

$$\frac{14}{3}$$

16) Calculate

$4.5 + 0.73 + 256.458 =$

17) Calculate

$12 - 0.5 \times 1.2 =$

18)

$6.5 - 3.682 =$

19) Place the decimal where it belongs in this product

$$16.324 \times 3.15 = 514206$$

20) Place the decimal where it belongs in this quotient

$$42.539 \div 5.15 = 826$$

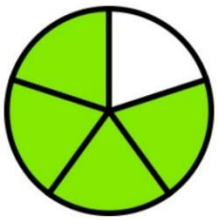
21) Find the product

$$\begin{array}{r} 0.891 \\ \times 16 \\ \hline \end{array}$$

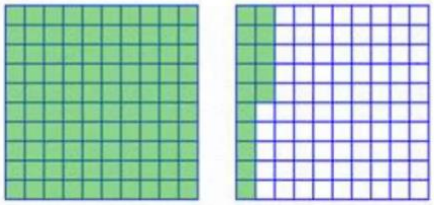
22) Divide (do not leave a remainder)

$24.125 \div 5 =$

23) What **percent** of this shape is shaded?



24) What **percent** is shown here?



25) Express 35% as a fraction

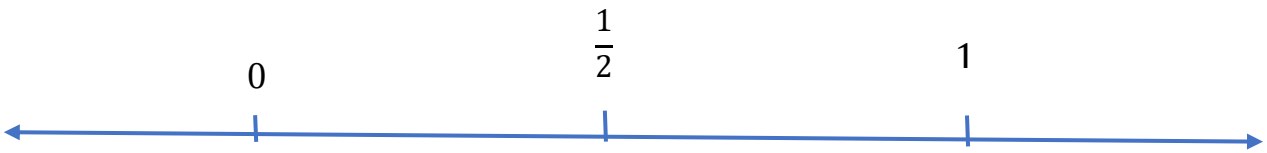
26) Write $3/100$ as a decimal.

27) Write 0.72 as a percent 0.72 = _____%	28) Write 4% as a decimal 4% = _____
29) Write 0.145 as a percent 0.145 = _____%	30) Find 10% of 280

31) Find 120% of 30	32) Calculate $32\,358.4 \div 1000 =$
33) Write $^{3}/_{4}$ as a percent.	34) Order the following from least to greatest $\frac{3}{5}$ $\frac{5}{8}$ $1\frac{2}{3}$ $\frac{5}{4}$ 1 _____ _____ _____ _____ _____

35) Place the following approximately where they belong on the number line

$1/3$ 0.25 $9/10$ 1.2 $3/5$



36) Add

$$6\frac{2}{3}+1\frac{5}{6}=$$

37) Subtract

$$4-1\frac{1}{5}=$$

38)

$$\frac{3}{8}\times\frac{4}{15}=$$

39)

$$\frac{5}{8}\div\frac{3}{4}=$$

40)

$$\frac{4}{5}\times 20=$$

41)

$$6\div\frac{2}{3}=$$

42) Calculate using order of operations

$$\frac{3}{4}+\frac{1}{3}\times\frac{5}{8}=$$

43)

$$(+8)+(-10)=$$

44)

$$(-12)-(+6)=$$

45)

$$24\div(-6)=$$

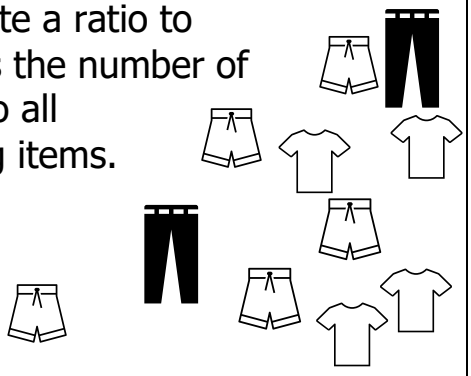
46)

$$(-8)\times(-6)=$$

47)

$$(-17)-(-20)=$$

48) Write a ratio to express the number of shirts to all clothing items.

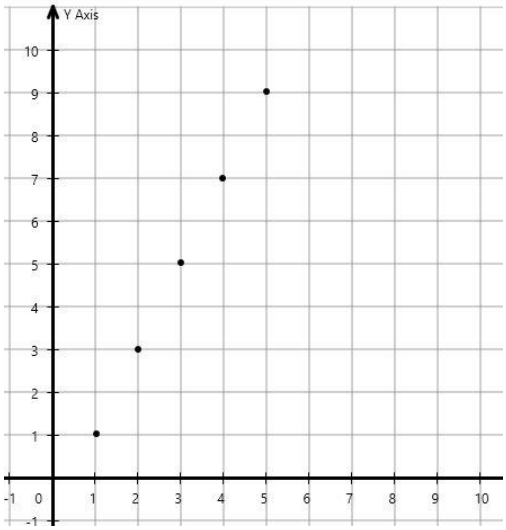


49) To make hot chocolate, you need 5 scoops of powdered mix for every 2 cups of hot water. How many scoops of powder should you use in a thermos that holds 8 cups?	50) Solve for t: $3t + 5 = 23$
51) Solve for x: $\frac{x}{4} = 7$	52) Solve for x: $\frac{x}{5} - 3 = 7$
53) $3(x + 5) = 36$	54) Evaluate the expression $2x - 5$ when $x = 8$

55) Write the rule with words or an equation

x	y
1	3
2	7
3	11
4	15
5	19

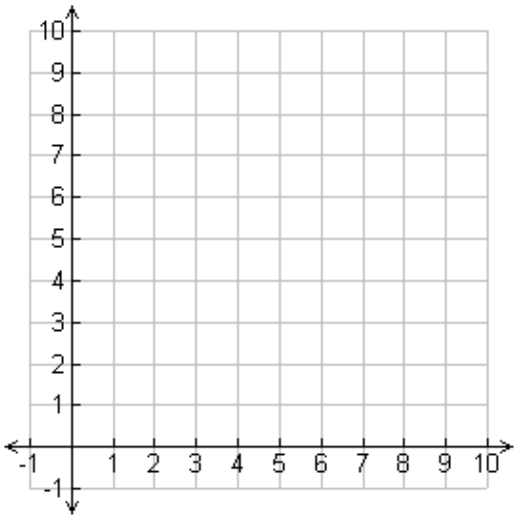
56) Create an input/output table from this graph



Input	Output

57) Graph the line using the table of values

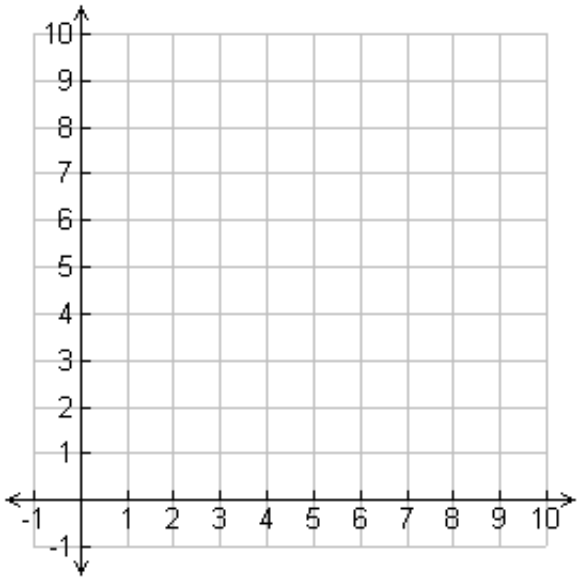
x	y
0	1
3	4
4	5
7	8



58) Fill in the table and draw the graph of the line.

$y = 3x + 2$

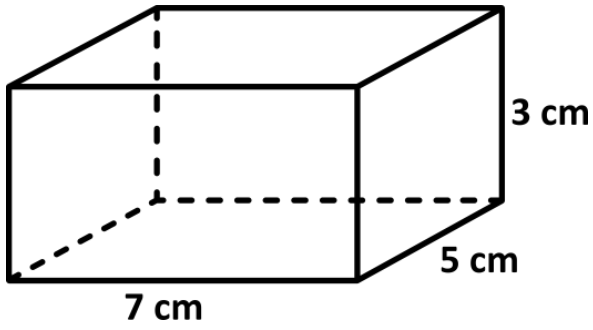
x	y
0	
1	
2	
3	



59) Circle the point that lies on the line $y = -2x + 5$.

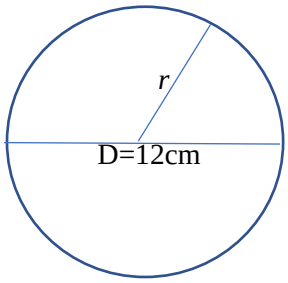
$(3, -1)$ or $(5,2)$

60) Find the volume.

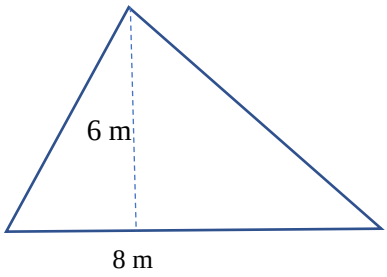


61) The diameter of this circle is 12cm. What is the measure of it's radius?

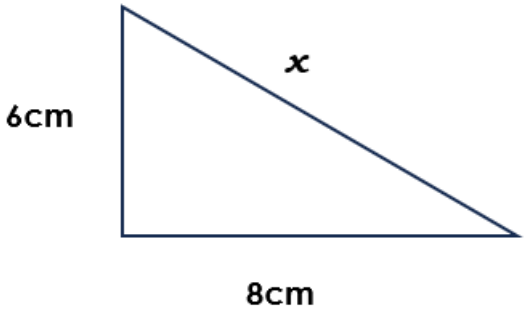
r=_____



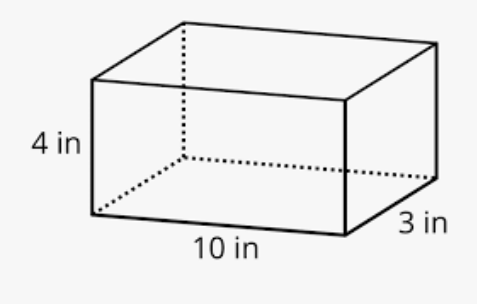
62) Find the area of this triangle $A = bh/2$ or $A = 1/2\ bh$



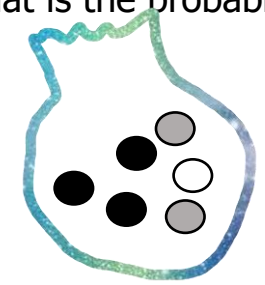
63) Solve for x



64) Calculate the surface area of this prism



65) There are six marbles in this bag. If you reach into the bag and pull out one marble, what is the probability you pull out a white one?



66) Explain what this data shows about moose and wolf populations in Saskatchewan.