Show what you know about Math!!

Name_____

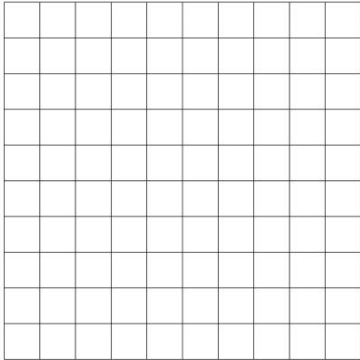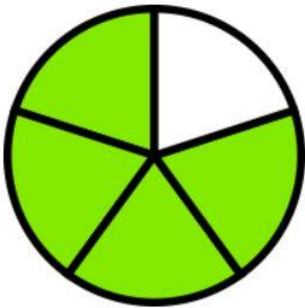How do you feel about Math? Circle one

1) Write the value of the underlined digit. 62 421 384	2) Write the value of the underlined digit: 4.268451
3) Circle all the numbers divisible by 3 135 65 355 54 9	4) All these numbers are divisible by what number? 15 45 90 10 125

5) Write the number 345 605 084 in expanded form.

6) Write the number 2.3 billion in standard form	7) What is the greatest common factor of 48, 16 and 40?

8) What is the least common multiple of 3,4, and 6?	9) Circle all the prime numbers 10 15 17 5 21 29 11
10) Use any method you like to write all the prime factors of 36	11) Calculate $$10 \div 2 + 3 \times (9 - 2) =$$
12) Calculate $$12 - 0.5 \times 1.2 =$$	13) Express as an improper fraction
14) Change to a mixed number $$\frac{8}{3}$$	15) Write as an improper fraction (common fraction) $$3\frac{2}{5}$$
16) Write in lowest terms (reduce/simplify) $$\frac{12}{18}$$	17) $$4.5 + 0.73 + 256.458=$$

18) $6 - 3.682=$	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 0.891 $\underline{\times 16}$	22) Divide (do not leave a remainder) $24.025 \div 5 =$

23) Shade 18% of this hundredths grid 	24) What **percent** of this shape is shaded?

25) Express 35% as a fraction	26) Write $3/100$ as a decimal.
27) Write 0.72 as a percent $0.72 = $ _____%	28) Write 0.04 as a percent $0.04 = $ _____%
29) Write 0.145 as a percent $0.145 = $ _____%	30) Order the following from least to greatest 0.56 3 1.4 1.389 _____ _____ _____ _____ _____ _____ _____

31) Order the following from least to greatest

   3/5   5/8   1 2/3   5/4   1

_____ _____ _____ _____ _____

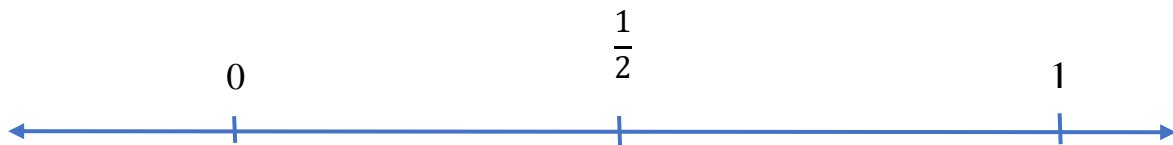32) Place the following approximately where they belong on the number line

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

$$\frac{1}{2}$$

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33) Add

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

34) Subtract

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

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35) Insert either **<** , **>**, or **=** between these two integers

-6 [ ] -10

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36) Place these integers on the number line

$$+5 \quad -5 \quad +2 \quad 0 \quad -4 \quad +4$$

37)

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

38)

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

39)

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

40) What is the ratio of cars to trucks?

41) Solve for n.

$n + 6 = 14$

42) Solve for x:

$7x = 35$

43) Solve for t:

$$3t + 5 = 23$$

44) Solve for x:

$$\frac{x}{4} = 7$$

45) Solve for x:

$$\frac{x}{5} - 3 = 7$$

46) Evaluate the expression

$$2x - 5 \qquad \text{when } x = 3$$

47) Write the rule with words or an equation

1	3
2	7
3	11
4	15
5	19

	Figure number	Number of Blocks

48) Create a table of values for this increasing pattern

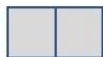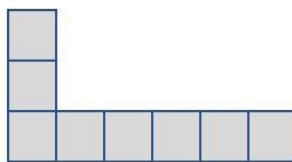Fig. 1   Fig.2   Fig. 3

49) Create an input/output table from this graph
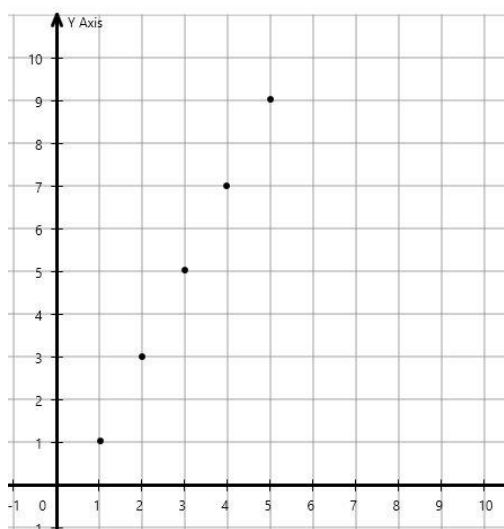
Input	Output

50) Graph using the table of values

x	y
0	1
3	4
4	5
7	8
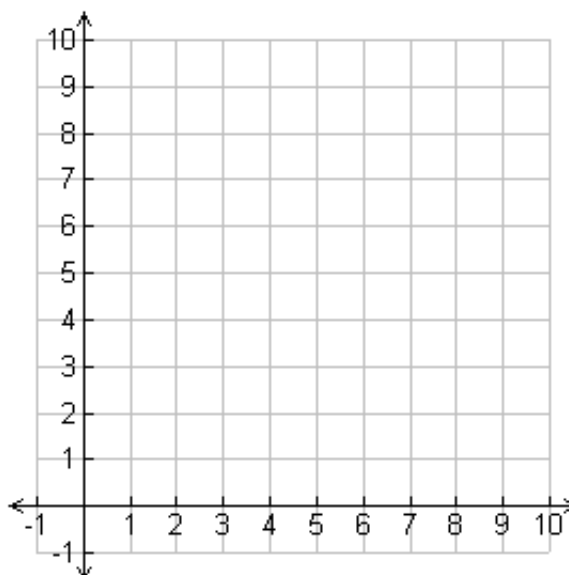
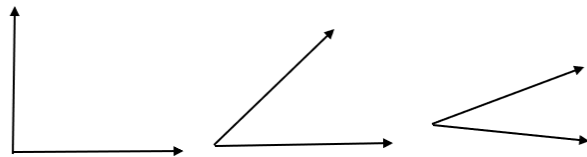| 51) Write an equation to represent the rule for this table. Use **C** for cost and **n** for number of guests.	52) Fill in the table for $y = 3x + 2$

51) Write an equation to represent the rule for this table. Use **C** for cost and **n** for number of guests.

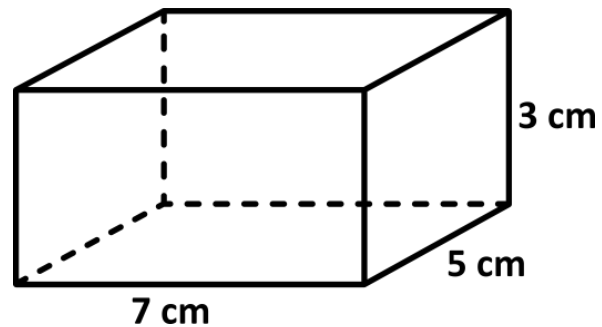| Number of Guests	Cost
1	20
2	40
3	60
5	100
n	

52) Fill in the table for
$$y = 3x + 2$$

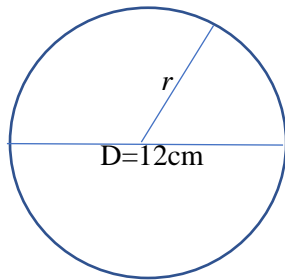| x	y
1	
2	
3	
4	

53) Circle the angle that is about 45°

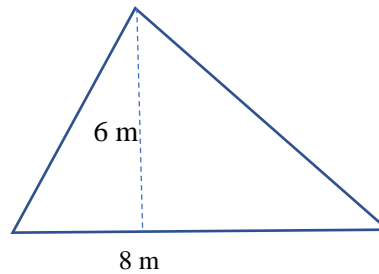54) Find the volume

3 cm

5 cm

7 cm

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

$r=$_____

r

D=12cm

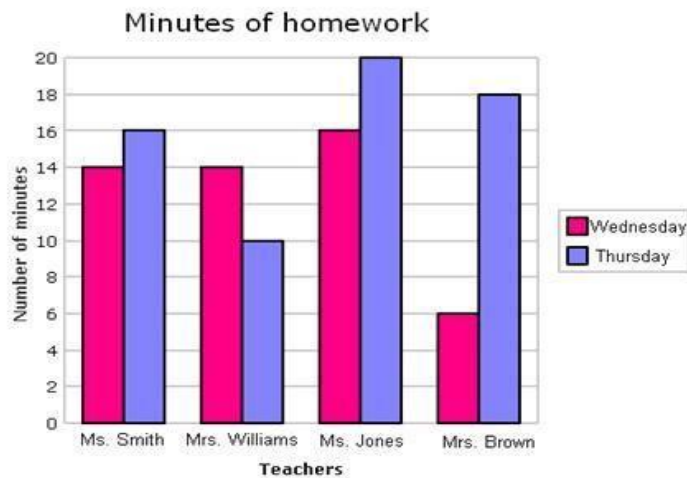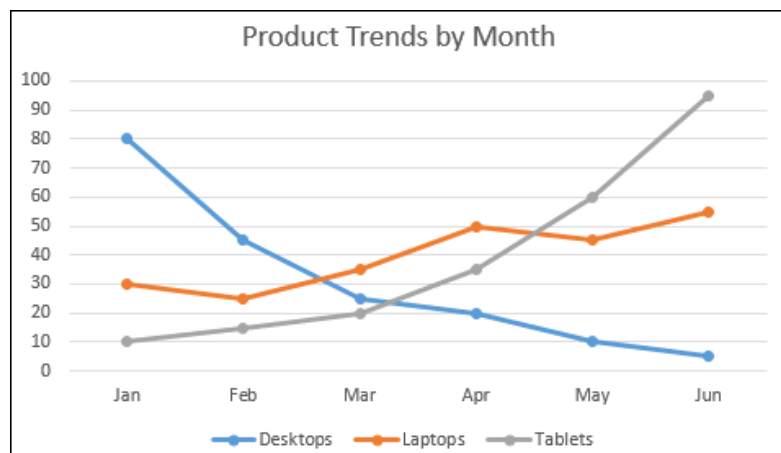**56)** Find the area of this triangle
$A = bh/2$ or $A = 1/2\ bh$

6 m

8 m

57) How many minutes of homework did Ms. Smith give on Thursday?

Minutes of homework

Number of minutes

20
18
16
14
12
10
8
6
4
2
0

Ms. Smith   Mrs. Williams   Ms. Jones   Mrs. Brown

Teachers

Wednesday
Thursday

58) About how many laptops were sold in April?

Product Trends by Month

100
90
80
70
60
50
40
30
20
10
0

Jan   Feb   Mar   Apr   May   Jun

Desktops   Laptops   Tablets

59) 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?