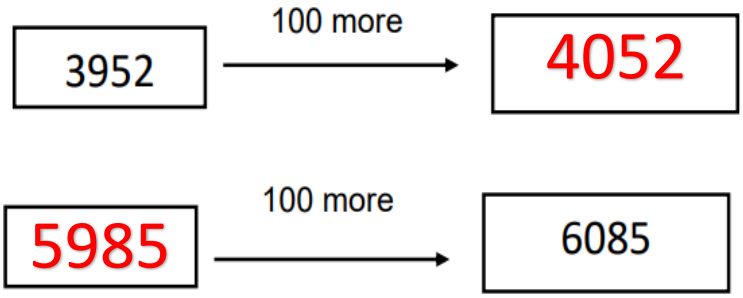
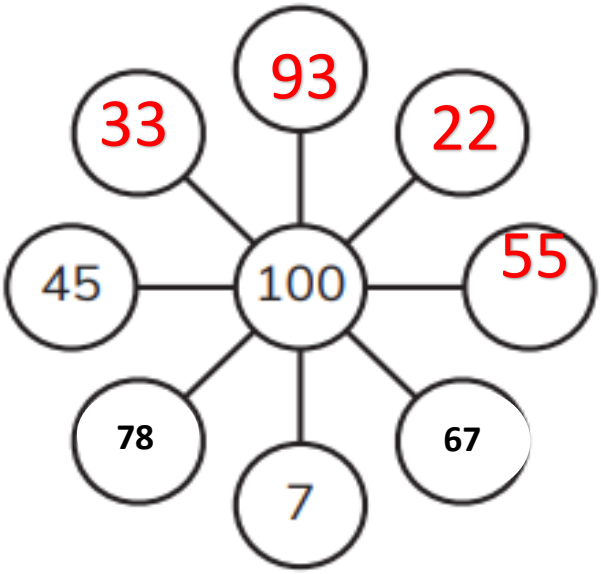
Name …….
Class…….

1)



2) **Complete the spider diagram so that opposite numbers total 100.**



3)

Write the missing number.

$\frac{7}{10} = \frac{\ldots 70}{10\,0}$ b. $\frac{10}{35} = \frac{\ldots 2}{7}$ c. $\frac{\ldots 18}{27} = \frac{2}{3}$

4)

a. 1023 – 458 = 565

b. 133 + 402 = 535

c. $\frac{4}{10} - \frac{3}{10} = \frac{1}{10}$

d. $1 - \frac{6}{7} = \frac{1}{7}$

e. Half of 680 is 340

f. 9 tenths = $\frac{9}{10}$

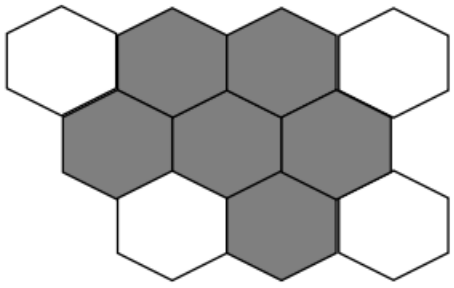
g. I'm a polygon. I only have 6 sides What am hexagon

h. The third multiple of 9 is…27……

5) Write the number name for 456789

…four hundred fifty six thousands seven hundred eighty nine ……

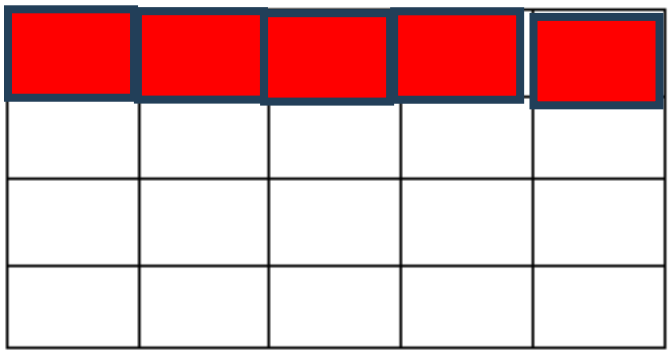
6) **Look at the tile pattern.**



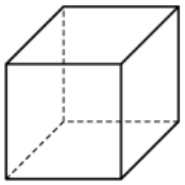
What fraction of the tile pattern is grey? ……$\frac{6}{10} = \frac{60}{100} = 60\%$…..

What is the percentage of the white tiles? … 40%…….

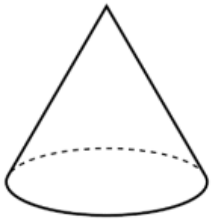
7) Shade $\frac{1}{4}$ of the following shape.



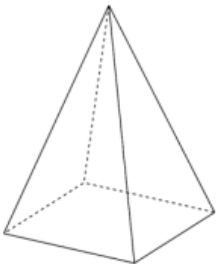
9) **Name each shape and describe its properties.**



Shape A



Shape B



Shape C

1) Shape A is called a ….cube……

it has 6 …… faces, ……12…… edges and ……8…… vertices.

2) Shape B is called a ……cone……

it has ……2…… faces, ……1…… edge and ……1…… vertex.

3) Shape C is called a Square based pyramid

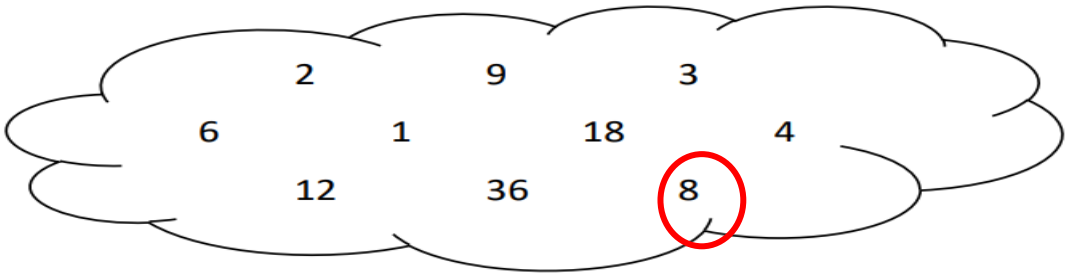
it has ……5…… faces, ……8…… edges and ……5…… vertices.

10) a. 8989roundto the nearest10 is ..... 8990.....

b. 8989roundto the nearest100 is ..... 9000.....

c. 8989roundto the nearest1000 is ..... 9000.....

11) **Circle the number that is <u>not</u> a factor of 36**



12) Order the following

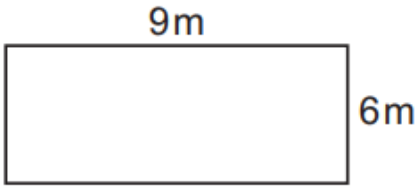
$\frac{1}{4}$ $\frac{1}{10}$ $\frac{1}{6}$ $\frac{1}{3}$

$\frac{1}{10}$ $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{3}$

_____ , _____ , _____ , _____

Smallest

13) Here is a rectangle.



Not drawn to scale

Calculate the area of the rectangle.

$9 \times 6 = 54 m^2$

Calculate the the perimeter of the shape $6+6+9+9=30m$

14) Youssef goes to bed at 7.15 pm.

Write this time in digital notation using the 24-hour clock.

19 : 15

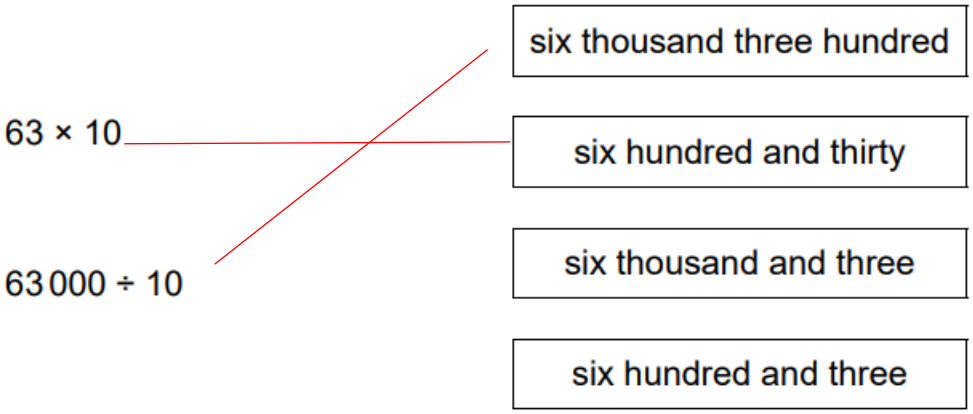
.....

15) Safia sorts some beads.
She has 3 red beads per hundred beads.

Write the number of red beads as a percentage of all the beads.

3 %

16) Draw a line to match each calculation to the correct answer.



17) Write these fractions as percentages.

a 35 out of 100 = 35 %

c 72 out of 100 = 72 %

e 67 out of 100 = 67 %

18) **Convert into percentage**

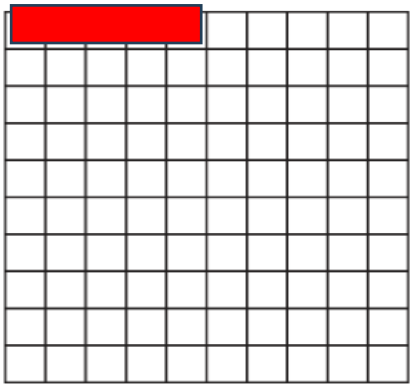
$\frac{1}{2}$ ……$\frac{50}{100}$ 50%……

$\frac{1}{4}$ ……$\frac{25}{100}$ 25%……

$\frac{1}{5}$ ……$\frac{20}{100}$ 20%……

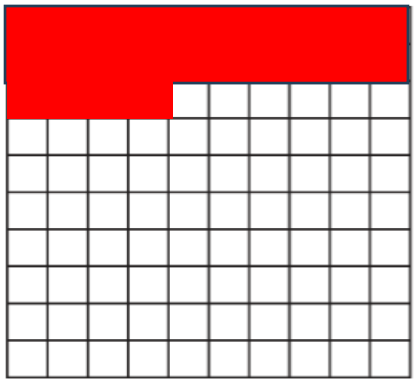
19) Write as a fraction and as a percent

1) Shade $\frac{5}{100}$ of the grid.

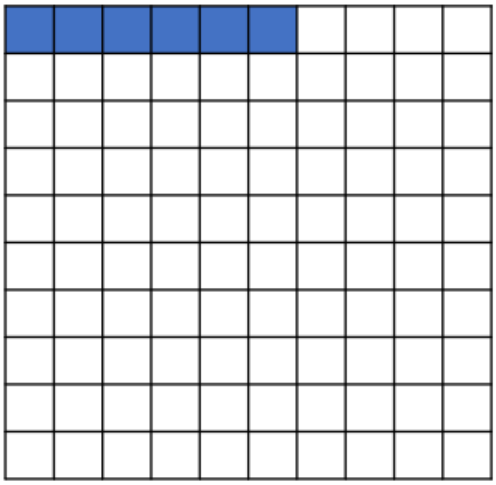


Percent: ……5%……

2) Shade 24% of the grid.

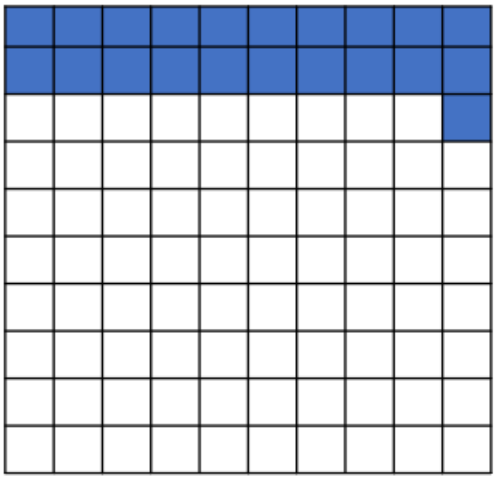


Percent ……$\frac{50}{100}$……



Percent: ……6%……

Fraction……$\frac{6}{100}$……



Percent ……21%……

Fraction: ……$\frac{21}{100}$……

20) Find the value of the variable in each problem.

1) $\frac{y}{4} + \frac{5}{4} = \frac{11}{4}$ $y = \boxed{6}$

2) $\frac{13}{14} + \frac{16}{14} = \frac{q}{14}$ $q = \boxed{29}$

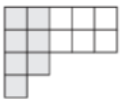
21) Dylan has a total of 25 marbles. He gives 5 marbles to his sister, Jane. What fraction of marbles did Jane receive?

$\frac{5}{25}$

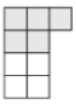
22) Emily places 15 roses in a beautiful glass vase. It holds 6 yellow roses and 9 red roses. What fraction of roses are red?

$\frac{9}{15}$

23)

$\frac{7}{13}$ and $\boxed{\frac{6}{13}}$ make a whole 

$\boxed{\frac{2}{10}}$ and $\frac{8}{10}$ make a whole 

$\boxed{\frac{4}{9}}$ and $\frac{5}{9}$ make a whole 

$\frac{3}{4}$ and $\boxed{\frac{1}{4}}$ make a whole 

24)

$1 - \frac{2}{7} = \frac{5}{7}$

$1 - \ldots\frac{3}{10}\ldots. = \frac{7}{10}$

$1 - \frac{2}{8} = \ldots\frac{6}{8}.$

$1 - \ldots\frac{1}{8}\ldots. = \frac{7}{8}$

$1 - \frac{3}{5} = \frac{2}{5}$

$1 - \ldots\frac{6}{10}\ldots. = \frac{4}{10}$

$1 - \frac{1}{3} = \frac{2}{3}$

$1 - \ldots\frac{2}{8}\ldots. = \frac{4}{8}$

$\frac{8}{16} = \frac{\ldots 2 \ldots}{4}$

$\frac{1}{3} = \frac{\ldots 7 \ldots .}{21}$

$\frac{3}{36} = \frac{\ldots 27 \ldots}{4}$

$\frac{8}{14} = \frac{\ldots 4 \ldots}{7}$

$\frac{5}{3} = \frac{\ldots 35 \ldots .}{21}$

$\frac{25}{50} = \frac{\ldots 5 \ldots}{10}$

$\frac{2}{3} = \frac{14 \ldots}{21}$

25)Write the missing number.

a) 523 +……412……. = 935

b) 648 +……287……. = 935

c) 983 +……152……. = 1135

d) ……907…… +598 = 1505

e) ……907…… +898 = 1805

f) ……507……. +598 = 1105

g) 823 -……187……. = 636

h) 5823 -……4888……. = 935

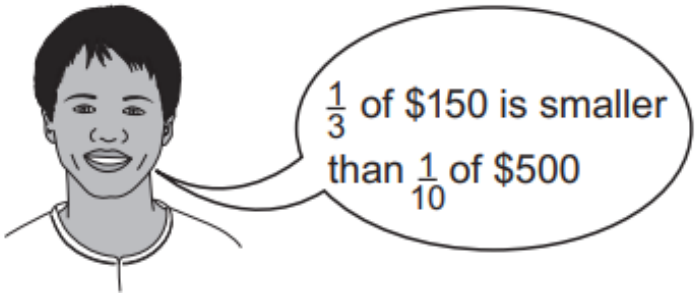
i) 1712 -……777……. = 935

j) ……1073……. – 568 = 505

k) ……424……. – 159 = 265

l) ……1133……. – 535 = 598

26) **Oliver says**



Explain why Oliver is not correct.

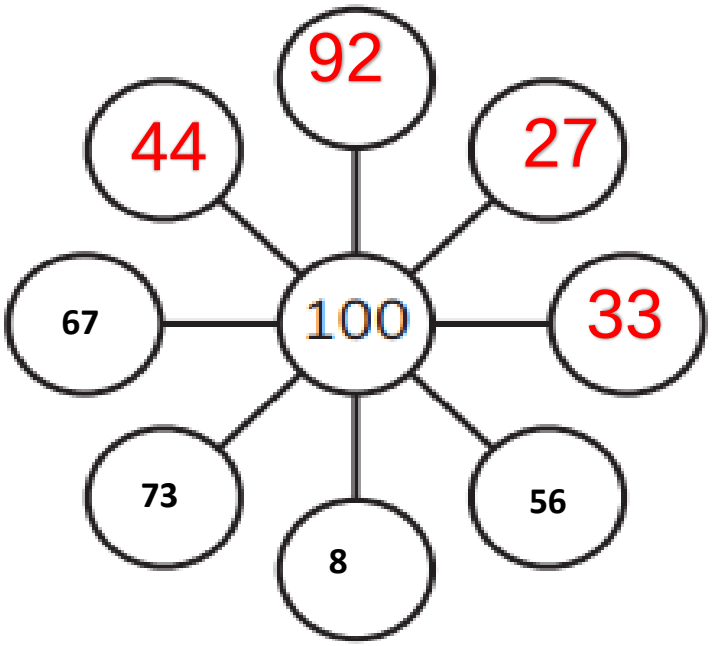
……they are equal ……

$150 \div 3 = 50$

$500 \div 10 = 50$

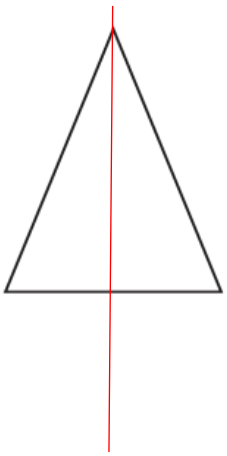
.

27) **Complete the spider diagram so that opposite numbers total 100.**

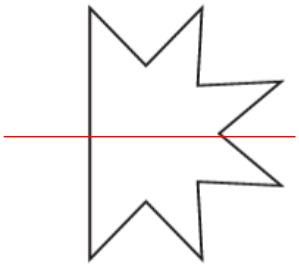


28) Draw a line of symmetry on each shape.

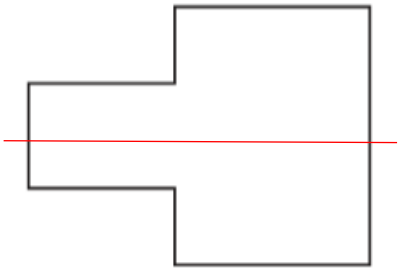
1)



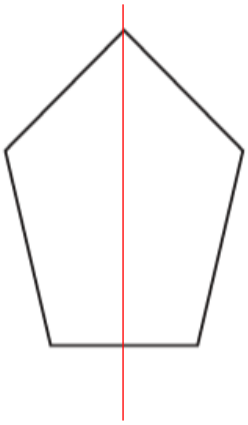
2)



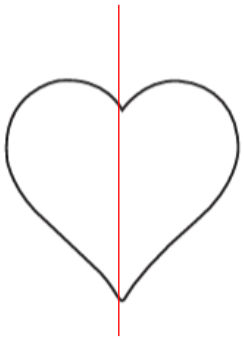
3)



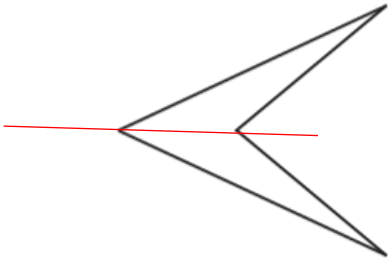
4)



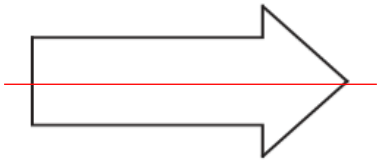
5)



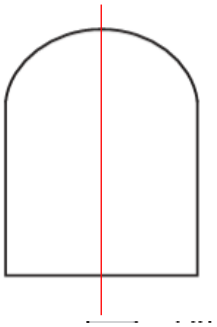
6)



7)

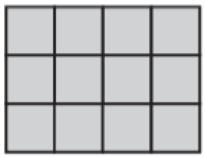


8)



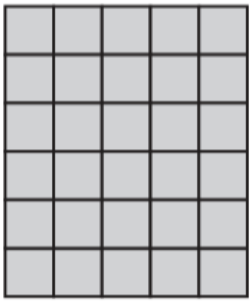
29) Find the area of each shape by counting the squares.

1)

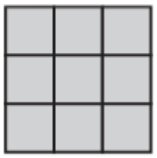


Area = 12

2)

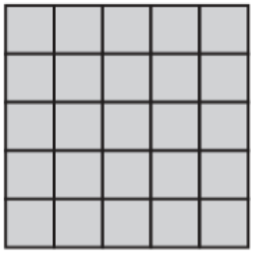


Area = 30



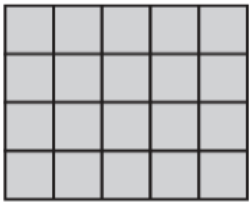
Area = 9

4)



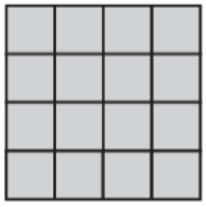
Area = 25

5)



Area = 20

6)



Area = 16

30) Here is a frequency table.
It shows the number of pets owned by children in Class 4

Number of pets	Tally	Frequency
1	𝍸	5
2	𝍸 ///	8
3	///	3
4	𝍸 /	4