SEEDLING
THE WORLD SCHOOL

Consolidated Practice Worksheet No. 1-Math (2019-20)

Name: _____Grade:___VI___ Roll No:_____ Date: _____

1. A cinema sells popcorn in different sizes:

Whopper (very big) (W) , Big (B) , Medium (M) and Small (S). It keeps a record of the types that it sells. The data is shown below.

M	M	W	W	W	M	B	W	M	S
B	B	B	W	M	W	W	B	M	B
S	W	W	B	B	W	W	W	M	M
B	W	M	W	M	W	B	S	W	M

Using the above data complete the tally and frequency table.

Popcorn size	Tally	Frequency
Whopper		
Big		
Medium		
Small		

Which popcorn size is sold the most?

.....

What is the difference between number of big and small size popcorns sold?

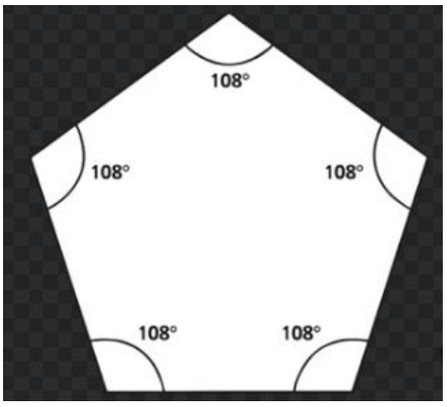
.....

2 Construct the following triangles. Use a ruler and a protractor.

a) Triangle ABC , where AB = 5cm , ∠ B= 50° and ∠A = 60°

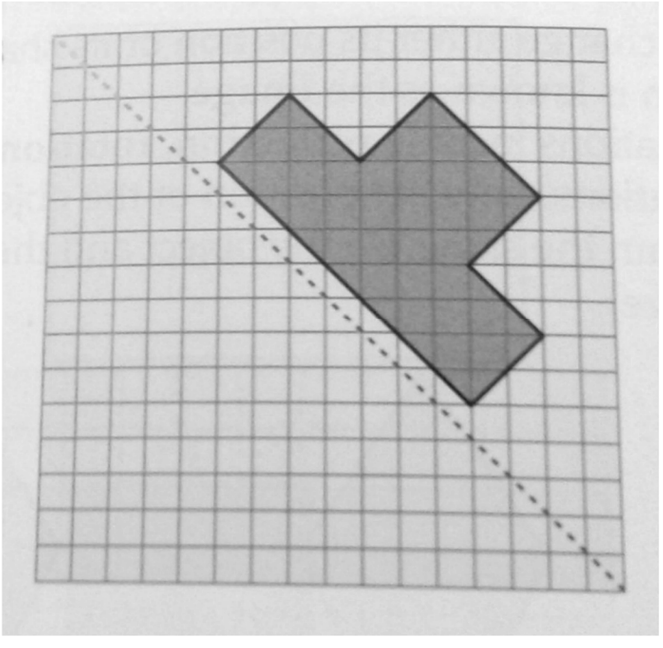
b) Triangle PQR , where PQ = 4.2cm , PR= 7cm and ∠P = 55°

3. Draw a regular pentagon with each side equal to 4.5cm and internal angle 108°

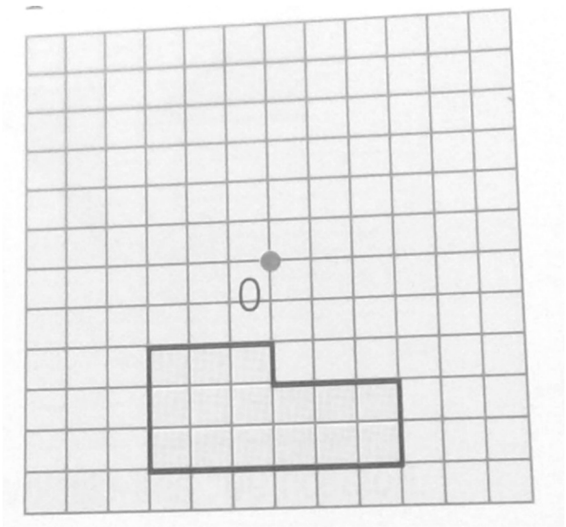


4.5 cm

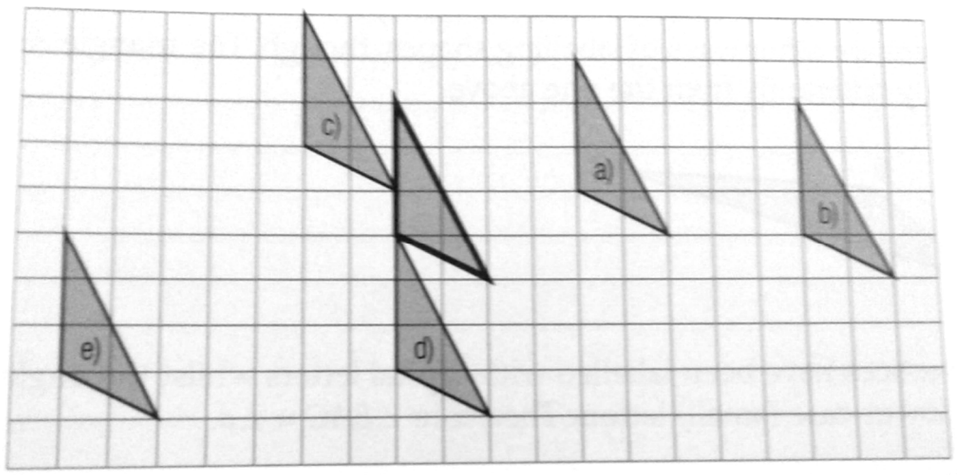
4. a) Reflect the shape in the mirror line.



b) Rotate the shape 90° anticlockwise about centre of rotation O.



c) Describe the translation which takes the given shape to a), b), c) ,d) and e)



Shape to a) .....

Shape to b) .....

Shape to c) .....

Shape to d) .....

Shape to e) .....

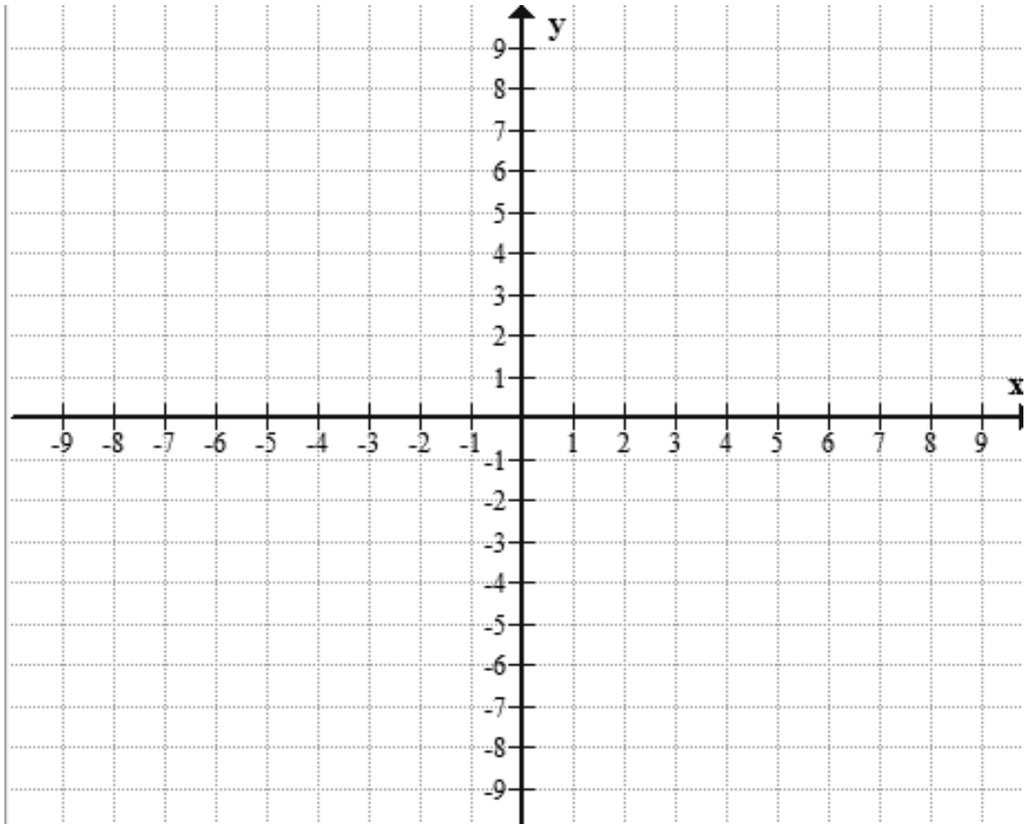
5. a) Plot the points P (-6, 4) , Q (6, 4) and R (6 , -2) on the grid.

b) Plot point S such that PQRS is rectangle. Write coordinates of S. .....

c) Draw diagonals PR and QS .

What are the coordinates of their point of intersection? .....

d) What is the equation of line passing through P and Q? .....



Now plot points M (-8, 4) and N(4, 4). Join points MNRS.

What is the name of shape MNRS? .....

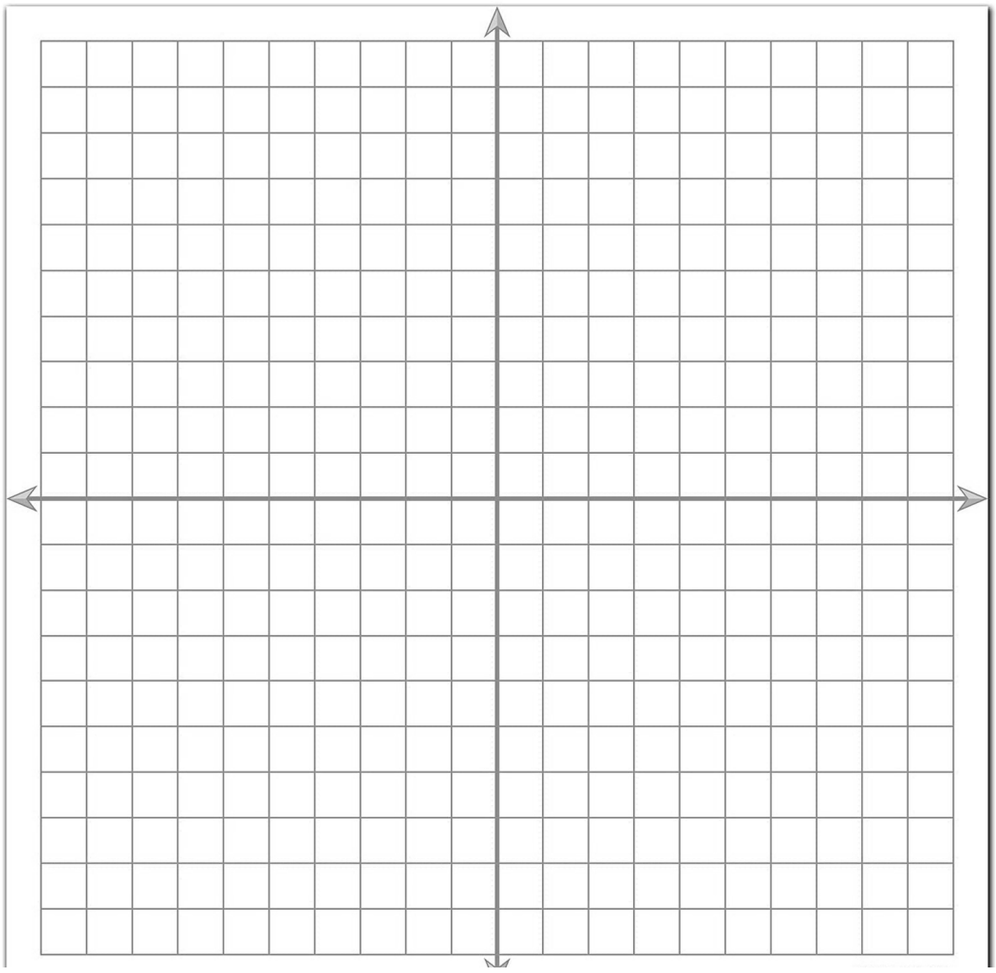
6. Complete the table of values for $y = 2(x + 2)$

x	-3	-2	0	1	2	3
y			4			10

Working-

a) Draw the graph of $y = 2(x + 2)$

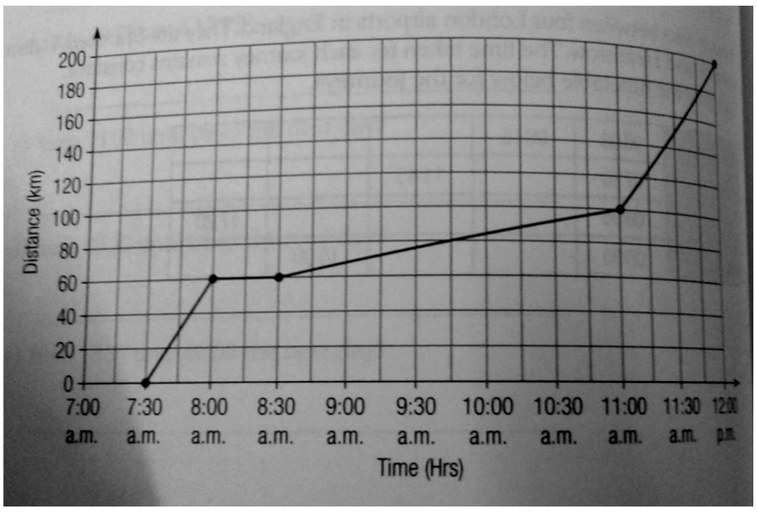
b) Where does the graph cross the x –axis ? .....



7. The bus journey from a town to a city takes 1 hour 38 minutes.
Complete the time table.

Depart	Arrive
05 03	
07 25	
	11 12
	12 36
14 05	
15 22	
	16 17

8. The graph below shows a family car journey.



a) What time did the family set out? .....

b) How far did they travel in the first half- hour ? .....

c) What time did they stop for the breakfast? .....

d) How much distance did they cover between 8:30 and 11:30 am? .....

e) When was their speed more between 10:00 to 11:00 or between 11:00 to 12:00?

.....

Give reason for your answer.

.....

9. 26 tiles, each with one letter of the English alphabet , are put into a bag.

One tile is drawn out at random. Calculate the probability that it is:

i) A or P .....

ii) a vowel .....

iii) a consonant .....

iv) X , Y or Z

v) a letter in the word HORIZON .....

From the above situation,

Give an example of a pair of mutually exclusive outcomes.

.....

Give an example of a pair of not mutually exclusive outcomes.

.....

SEEDLING
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Consolidated Practice Worksheet No. 2-Math (2019-20)

Name: _____Grade:___VI___ Roll No:_____ Date: _____

1. a) The temperature is - 6 °C and rises by 12°C

The final temperature is .....

b) Find the prime factors of 140

.....

2 For the given sequences work out

i) the term to term rule

ii) the next two terms

iii) the eleventh term

A) 2 6 10 14 18

term to term rule .....

next two terms .....

eleventh term .....

B) 144 132 120 108

term to term rule .....

next two terms .....

eleventh term .....

3. Work out the answers.

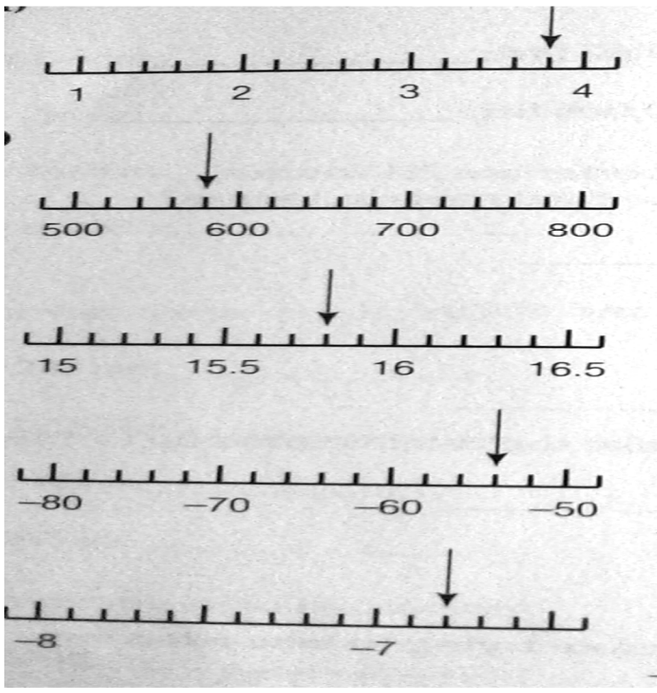
12. 35 + 7.2 = ...

456.3 - 29.76 = ...

5 × 3.9 = ...

788 ÷ 100 = ...

4. Write down the value shown by the arrow on each of these scales.



_____

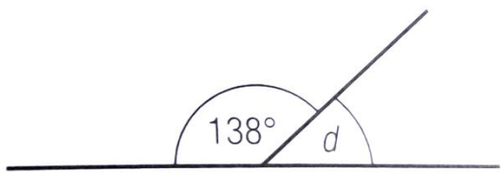
_____

_____

_____

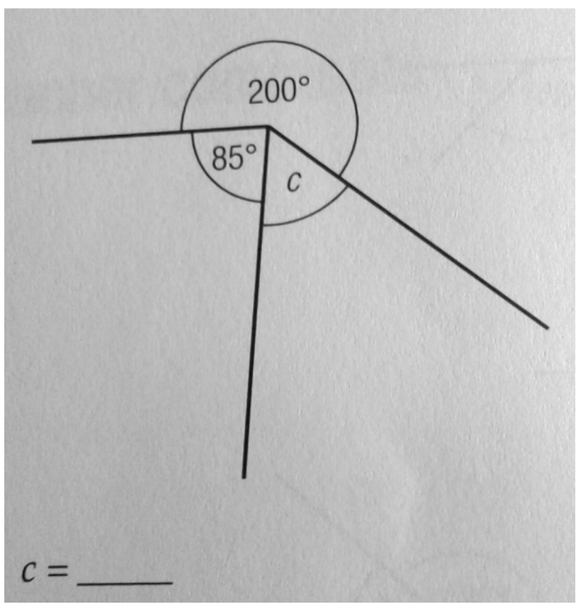
_____

5. Find the missing angle. Give reason for your answer.

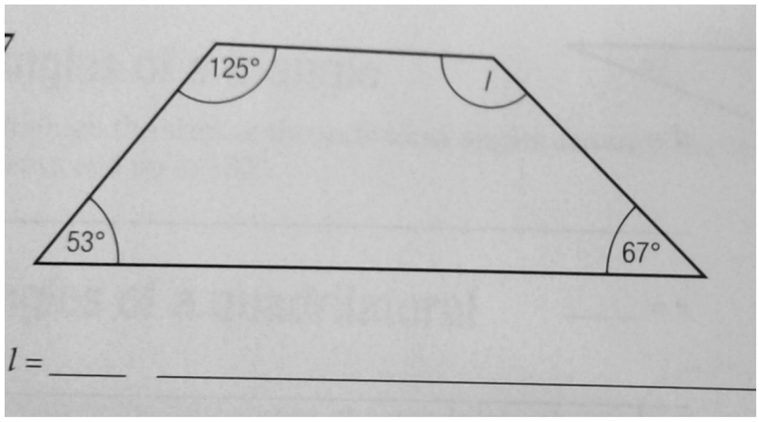


d = _____

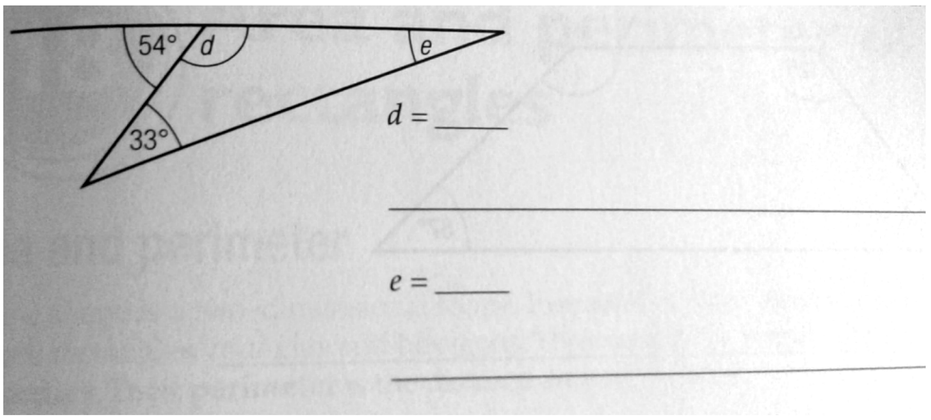
Reason .....



Reason .....



Reason .....



Reason .....