Grade 6 Worksheet 1

Answer key

2. a) the old lady being kind, showered her with all the kindness, even more than her grand children

b) this could have made her idle and useless

3. she practiced on her doll, because she had to bear all her experiments and insufficient knowledge

4. she extended her practice on the dogs and cats around her by simulating disease which were present in their owners

5. it was not my intention that I should dwell on any length upon the recollections of my childhood.

6. a) yearning – a feeling of intense longing for someone

b) gratification – pleasure gained from fulfillment of a desire

c) prevalent – widespread in a particular area

7. a and c

8. dumb –dumber – dumbest

Admirable – more admirable –most admirable

Great – greater – greatest (any other)

9. a) ..... I would have become an idle person.

b) ..... I would not have become a doctor.

10. summary to include extended practice, her patients, what she treated and how

11. diary entry to include why she chose her doll to experiment, what diseases she contracted and her rewards.

Worksheet 2

2. they lived happily and comfortably all together.

'Every creature understood …….' / 'although there was no sun, ……'

3. a wondrous magnificent tree with branches spread all over

4. a) he was inquisitive

b) long neck enabled him to go up the hole

5. a) to live together in peace and harmony

b) listen to each other

c) never to make a fire

6. a) animal characters

b) personification

any other

7. a)fragile

b) inquisitive

c) blissful

d) scrambled

8. The new world was simply beautiful, a pleasure to he eyes

9. Kaang felt proud of his creation and happy that everyone liked it

10.It suggests that they would not break the promise they have made. But n reality it is not so

11. Individual answers

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**Consolidated Practice Worksheet No. 1 answer key ( 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 | 𝍸 𝍸 𝍸 I | 16 |
| Big | 𝍸 𝍸 | 10 |
| Medium | 𝍸 𝍸 I | 11 |
| Small | III | 3 |

**Which popcorn size is sold the most?**

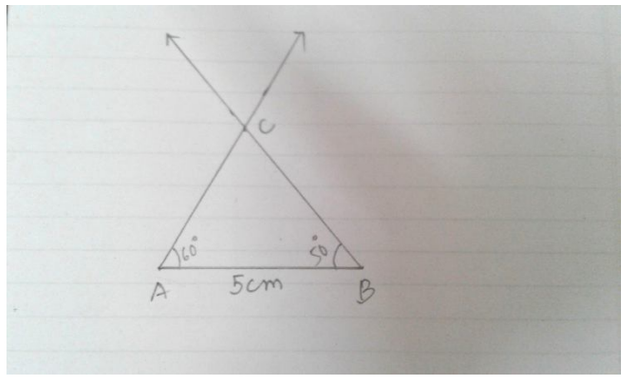
***Whopper***

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

*10 – 3 = 7*

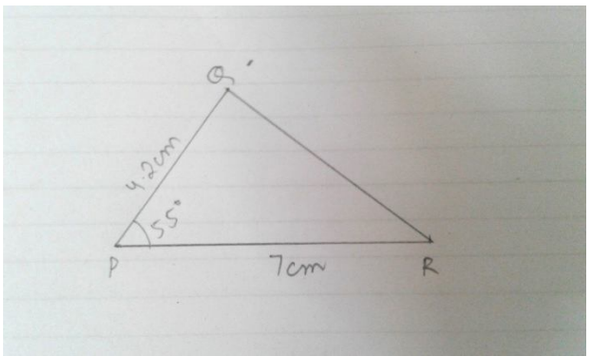
**2 Construct the following triangles. Use a ruler and a protractor.**

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



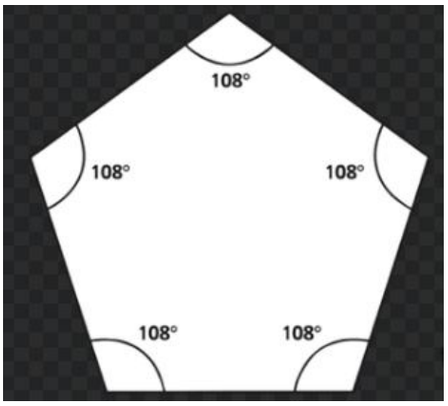

**Looks like this but accuracy to be checked.**

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

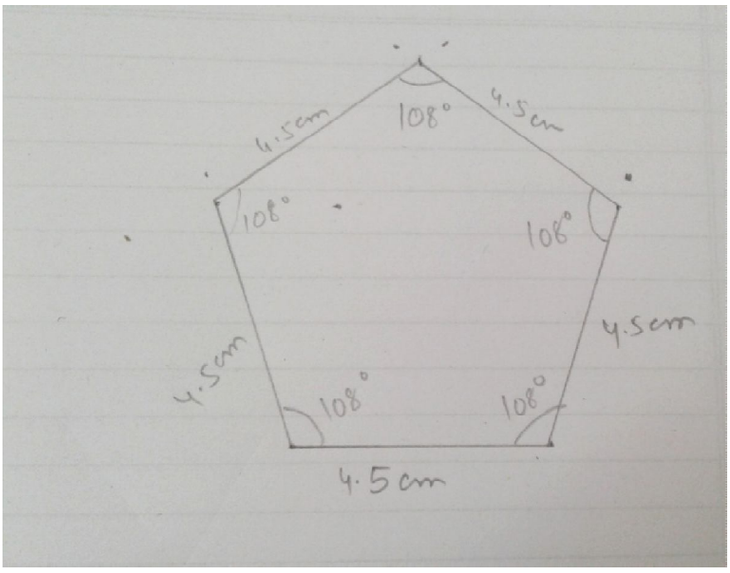



**Looks like this but accuracy to be checked.**

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

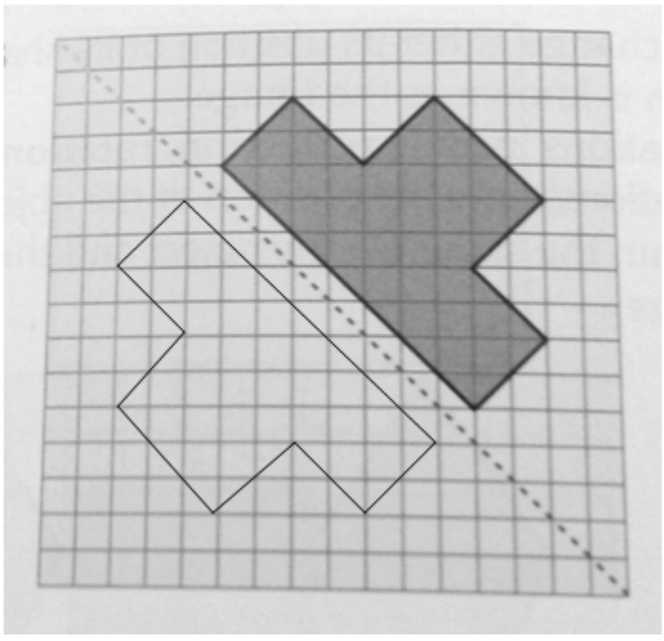



**4.5 cm**

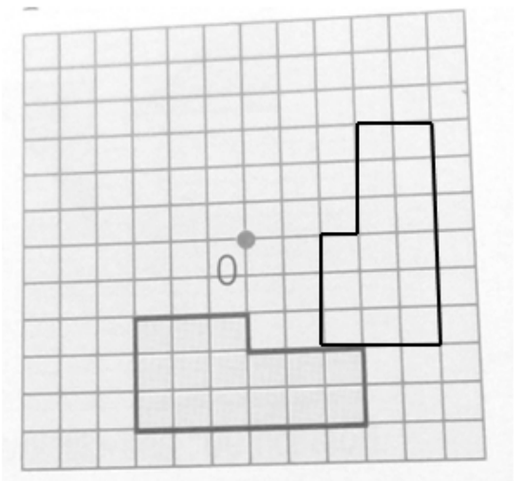



**Looks like this but accuracy to be checked.**

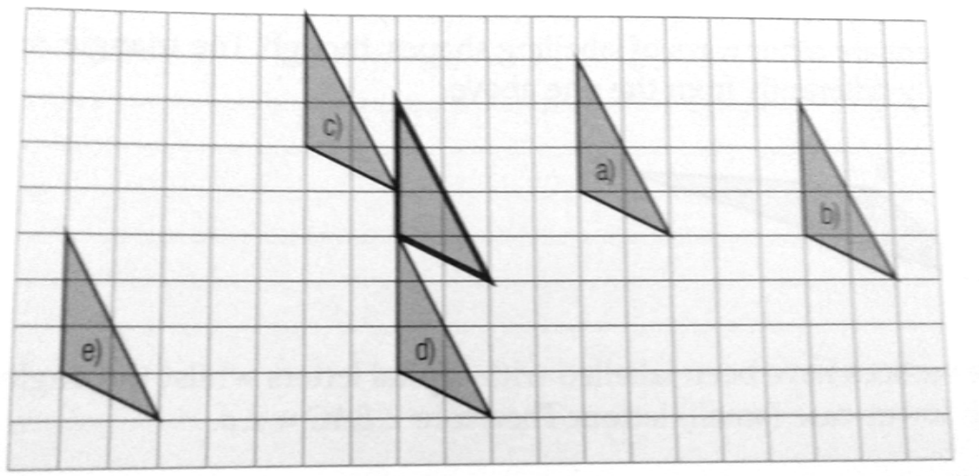
**4. a) Reflect the shape in the mirror line.**



**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) 4 squares right, 1 square up**

**Shape to b) 9 squares right**

**Shape to c) 2 squares left, 2 square up**

**Shape to d) 3 squares down**

**Shape to e) 7 squares left , 3 squares down**

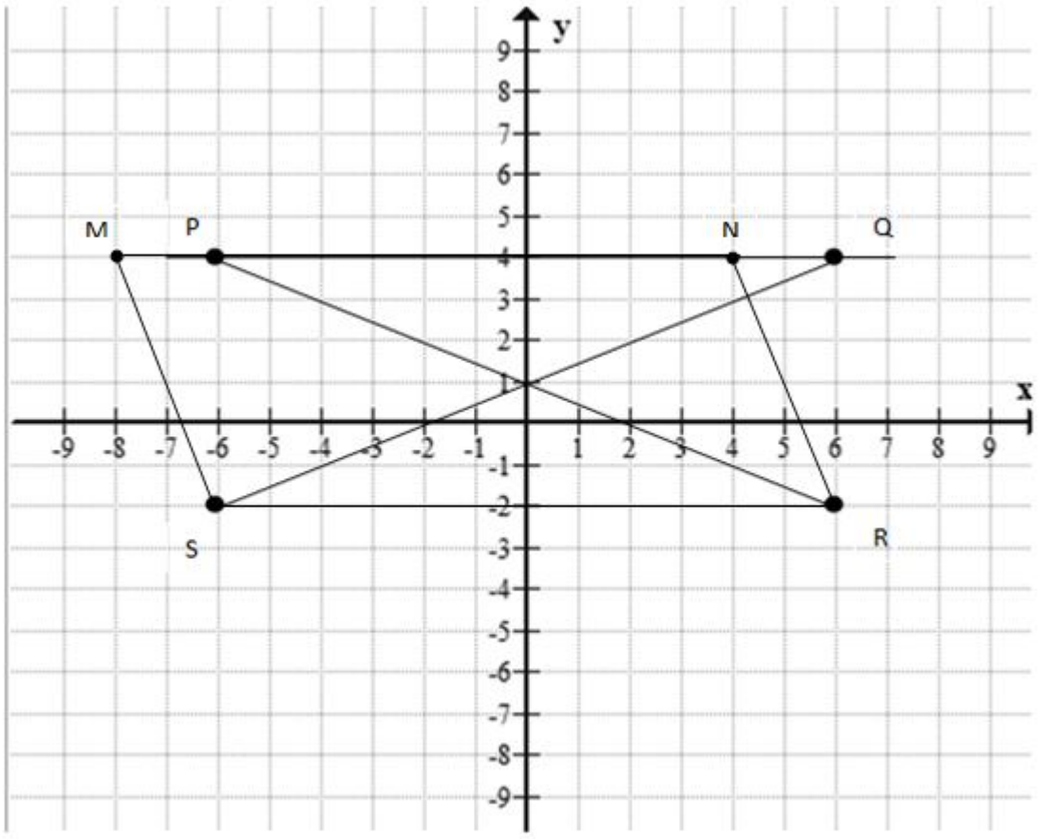
**5. a) Plot the points P (-6, 4) , Q ( 6, 4) and R ( 6 , -2 ) on the grid.**

**b) Plot point S such that PQRS is rectangle. Write coordinates of S. (-6, -2 )**

**c) Draw diagonals PR and QS .**

**What are the coordinates of their point of intersection? ( 0, 1 )**

**d) What is the equation of line passing through P and Q?** $y = 4$




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

**What is the name of shape MNRS?** ***Parallelogram***

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

| | | | | | | |
|---|---|---|---|---|---|---|
| ***x*** | **-3** | **-2** | **0** | **1** | **2** | **3** |
| ***y*** | **-2** | **0** | **4** | **6** | **8** | **10** |

**Working-**

**x = -3**
**y = 2 ( -3 + 2)**
**y = 2 × -1 = -2**

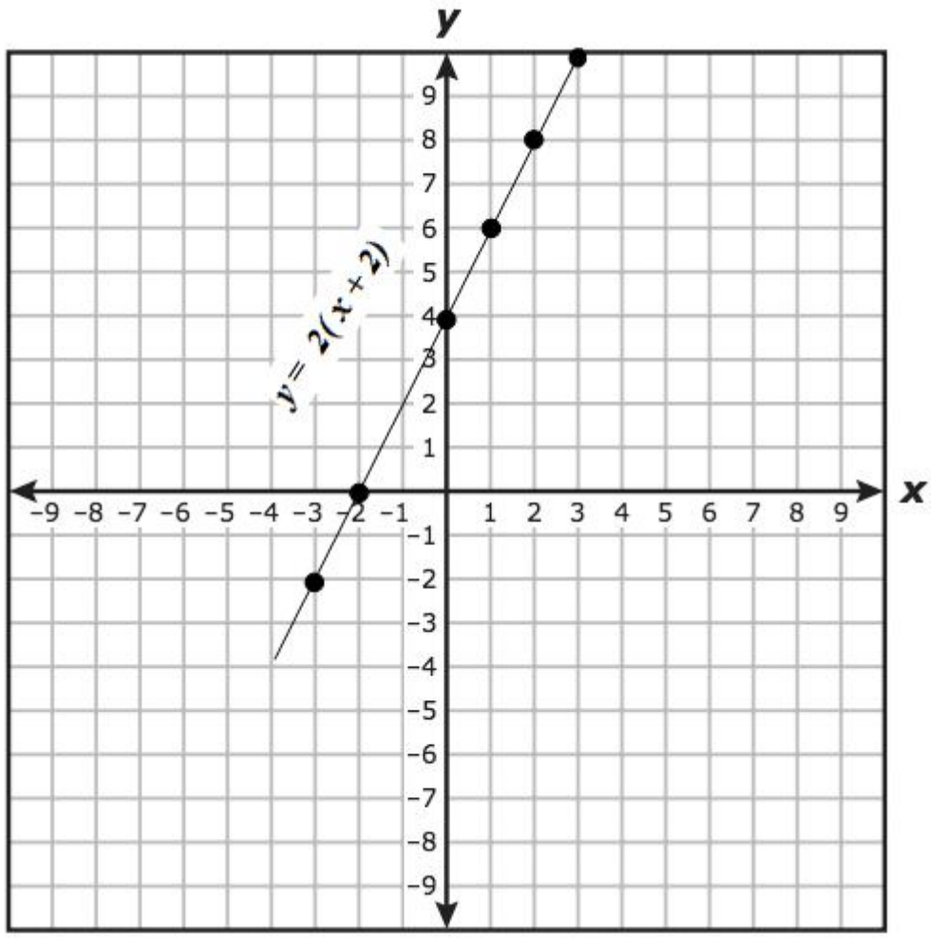
**x = -3**
**y = 2 ( 1 + 2)**
**y = 2 × 3 = 6**

**x = -2**
**y = 2 ( -2 + 2)**
**y = 2 × 0 = 0**

**x = 2**
**y = 2 ( 2+ 2)**
**y = 2 × 4 = 8**

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

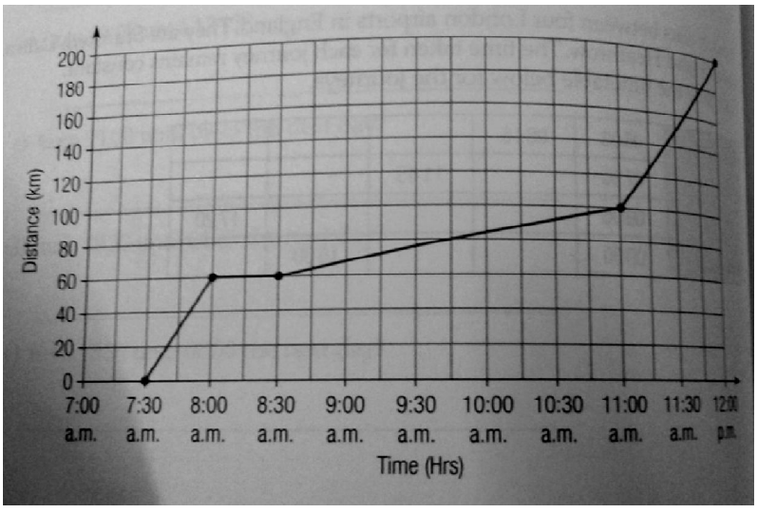
**b) Where does the graph cross the x –axis ? ( -2 , 0))**




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

| Depart | Arrive |
|---|---|
| 05 03 | **06 41** |
| 07 25 | **09 03** |
| **09 24** | 11 12 |
| **10 58** | 12 36 |
| 14 05 | **15 43** |
| 15 22 | **17 00** |
| **14 39** | 16 17 |

**8. The graph below shows a family car journey.**




**a) What time did the family set out?** **7: 30 am**

**b) How far did they travel in the first half- hour ?** **60 km**

**c) What time did they stop for the breakfast?** **8:00 am**

**d) How much distance did they cover between 8:30 and 11:30 am?** **90 km**

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

**11:00 to 12:00** **Give reason for your answer.**

**From 10:00 to 11:00- 1 hour they covered 15 km approx**

**But from 11:00 to 12:00- 1 hour they covered 100 km**

**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.**

**Tile is a vowel tile is a consonant (any other correct answer)**

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

**Tile is a letter in word APPLE tile is a vowel (any other correct answer)**

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**Consolidated Practice Worksheet No. 2 answer key ( 2019-20 )**

**Name: _____Grade: VI Roll No:_____ Date: _____**

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

**The final temperature is 6 °C**

**b) Find the prime factors of 140**

**2 , 5 and 7**

**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 add 4**

**next two terms 22, 26**

**eleventh term 42**

**B) 144 132 120 108**

**term to term rule subtract 12**

**next two terms 96 , 84**

**eleventh term 24**

**3. Work out the answers.**

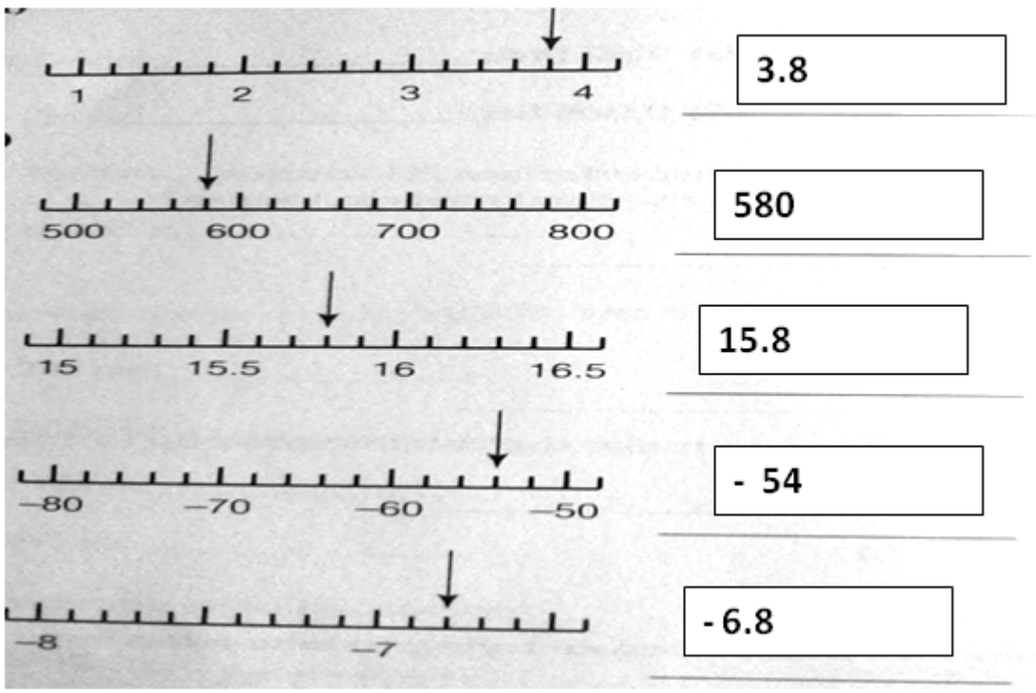
**12. 35 + 7.2 = 19.55**

**456.3 - 29.76 = 426.54**

**5 × 3.9 = 19.5**

**788 ÷ 100 = 7.88**

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




3.8

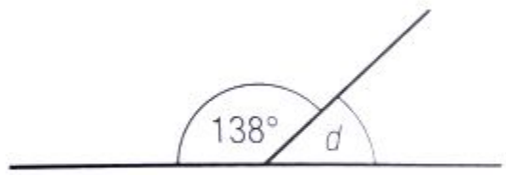
580

15.8

- 54

- 6.8

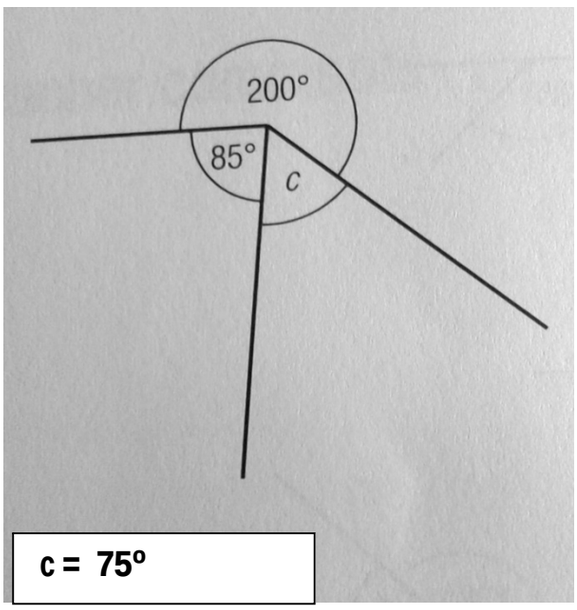
**5. Find the missing angle. Give reason for your answer.**




$d =$ **42°**

**Reason : straight angle = 180° so,**

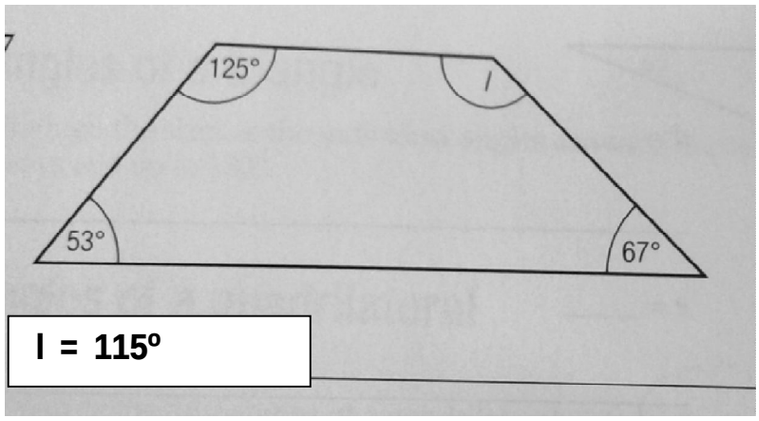
**180°- 138° = 42°**




**c = 75°**

**Reason : angles at a point add up to 360°**

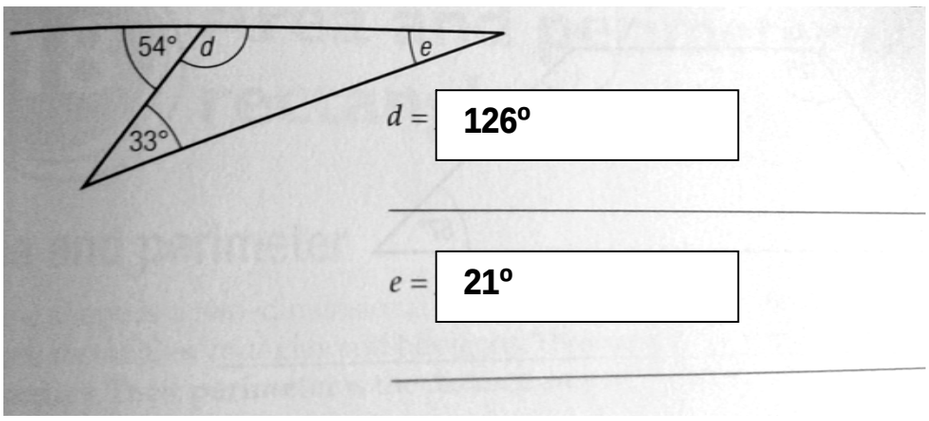
**200 +85= 285 360 – 285= 75°**




**l = 115°**

**Reason : sum of angles of a quadrilateral = 360°**

**53 +125+67 = 245 360- 254 = 115°**




**Reason : d + 54 = 180° so d = 180-54 = 126°**

**Sum of angles of a triangle = 180°**

**So , d+ e+ 33 = 180**

**126 +33+e =180**

**159+ e = 180**

**e = 180 -159 =21°**