

CRITICAL THINKING

CLASS-7

SERIAL NO. 2



Q1

The world is divided into a number of climatic zones. The climate of India is described as 'Monsoon' type. There is a lot of variation in temperature across India. In Summer, the mercury occasionally touches 50°C in some parts of the Rajasthan desert, whereas it may be around 20°C in Pahalgam in Jammu and Kashmir. On a winter night, temperature at Drass in Jammu and Kashmir may be as low as -45°C on the other hand, Churu in Rajasthan may have a temperature of 22°C .

The average monthly temperatures of Drass and Churu were recorded. The table given below shows this information from January to June.

	January	February	March	April	May	June
Average Temperature in Drass ($^{\circ}\text{C}$)	-32	-20	-6	2	14	21
Average Temperature in Churu ($^{\circ}\text{C}$)	22	25	32	35	40	44

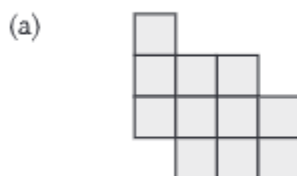
.1 Show the increase in temperature in Drass from March to April on the number line below.



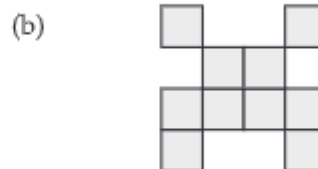
.2 Find the difference in temperature between Churu and Drass in January.

Q2

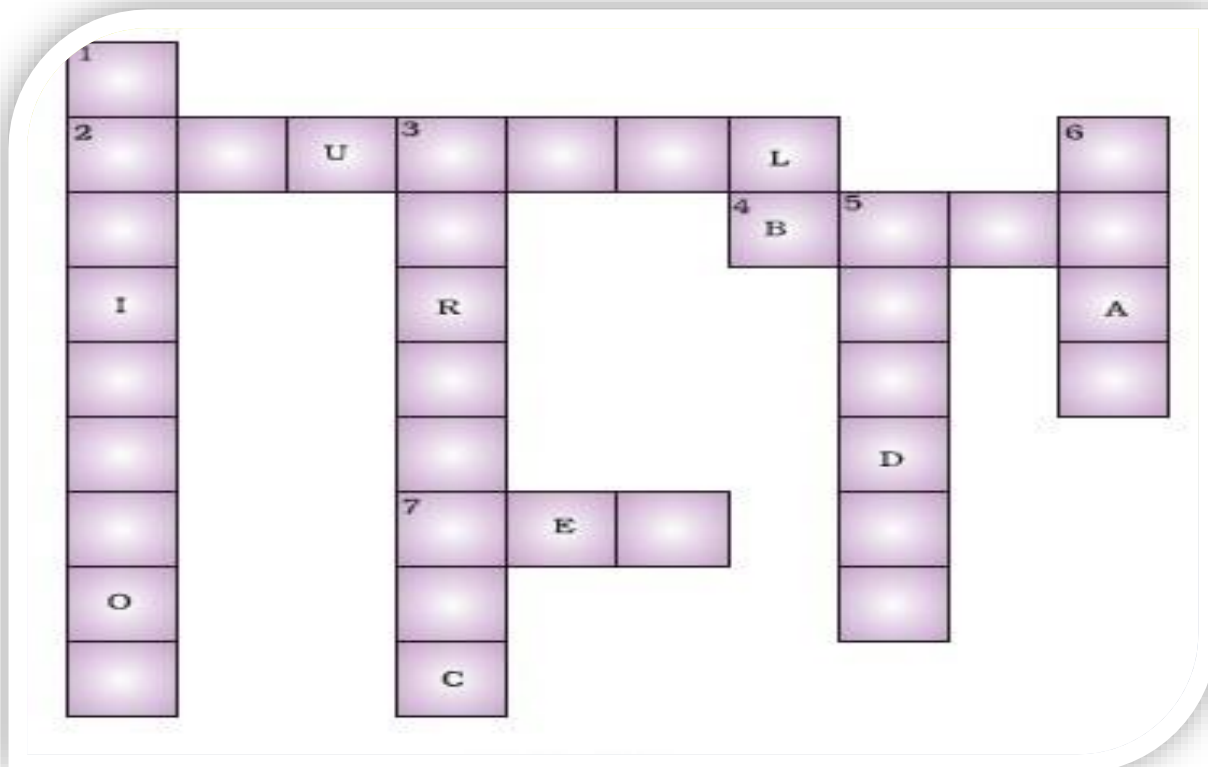
What are the perimeters of the figures given below?



Perimeter = unit



Perimeter = unit



Across

- (2) The solution which does not change the colour of either red or blue litmus.
 (4) Phenolphthalein gives pink colour in this type of solution.
 (7) Colour of blue litmus in lemon juice.

Down

- (1) It is used to test whether a substance is acidic or basic.
 (3) It is a natural indicator and gives pink colour in basic solution.
 (5) Nature of ant's sting.
 (6) It is responsible for increase in temperature during a neutralization reaction.

Q 4.

1. अगर प्यास लगे तो पी सकते हैं

भूख लगे तो खा सकते हैं

और अगर ठण्ड लगे तो उसे जला भी सकते हैं

बोलो क्या है वो ?

2. वह कोनसी चीज़ है जिसका रंग काला है

वह उजाले में तो नजर आती है

परन्तु अंधरे में दिखाई नहीं पड़ती

बोलो क्या है वो ?

3. कमर बांधे घर में रहती

सुबह-शाम जरूरत है पड़ती

बताओ क्या ?

4. वह कौन सा मुख है जो

सुबह से लेकर शाम तक

आसमान की ओर देखता रहता है।

5. एक फूल यहां खिला , एक खिला कोलकाता

अजब अजूबा हमने देखा , पत्ते के ऊपर पत्ता।

6. ऐसी क्या चीज है जो आदमी के लिए नुकसानदेह है

किंतु लोग फिर भी उसे पी जाते हैं।