

# SGJ DAV SEN. SEC. PUBLIC SCHOOL, HARIPURA

Class - 9th

Date - 07.01.2025

**Instructions: Dear children, The work which is being sent to you, it must be done in a fair notebook and in beautiful handwriting. When the school will reopen this home work will be checked. This work is given for revision purpose.**

## English

1. The Sergeant knows that the Bishop is lying still he chooses to leave the place without the convict. Comment

## Hindi:

पाठ- दो बैलों की कथा

प्रश्न-छोटी बच्ची को बैलों के प्रति प्रेम क्यों उमड़ आया?

प्रश्न-कहानी में बैलों के माध्यम से कौन-कौन से नीति विषयक मूल्य उभर कर आए हैं?

प्रश्न-किन घटनाओं से पता चलता है कि हीरा और मोती में गहरी दोस्ती थी?

प्रश्न-किसान जीवन वाले समाज में पशु और मनुष्य के आपसी संबंधों को कहानी में किस तरह व्यक्त किया गया है?

संपूर्ण कार्य अपनी अनुपूरक पुस्तिका पर सुंदर लिखाई में लिखें और याद करें।

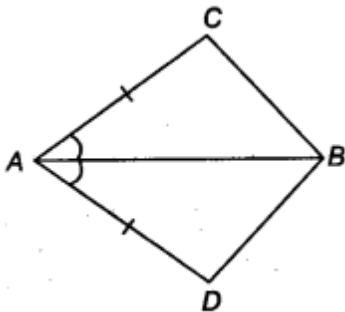
## Punjabi

ਪ੍ਰਸ਼ਨ1- ਸਾਰਾ ਵਿਆਕਰਨ ਭਾਗ ਯਾਦ ਕਰੋ।

ਸੁੱਧ-ਅਸੁੱਧ (ਇੱਕ ਸਫ਼ਾ ਲਿਖੋ) , ਵਿਰੋਧੀ ਸ਼ਬਦ(ਇੱਕ ਸਫ਼ਾ ਲਿਖੋ), ਕਿਰਿਆ ਨਾਲ ਸੰਬੰਧਿਤ ਪ੍ਰਸ਼ਨ-ਉੱਤਰ ਲਿਖੋ।

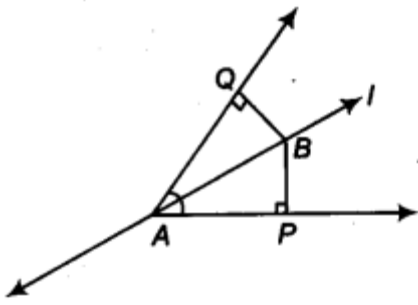
## Mathematics

- Find the area of triangle two sides of which are 12 cm and 18 cm and the perimeter is 42 cm.
- Solve by using suitable identities:
  - $103 \times 107$
  - $(2x-3)(2x+3)$
  - $(x+3)(x-5)$
  - $(2x+3y+4z)^2$
- A conical tent is 10 m high and the radius of its base is 24 m. Find
  - slant height of the tent.
  - cost of the canvas required to make the tent, if the cost of  $1 \text{ m}^2$  canvas is ₹70.
- Prove that, if chords of congruent circles subtend equal angles at their centres, then the chords are equal.
- Two circles of radii 5 cm and 3 cm intersect at two points and the distance between their centres is 4 cm. Find the length of the common chord.
- A circular park of radius 20 m is situated in a colony. Three boys Ankur, Syed and David are sitting at equal distance on its boundary each having a toy telephone in his hands to talk each other. Find the length of the string of each phone.
- In quadrilateral ACBD,  $AC = AD$  and  $AB$  bisects  $\angle A$  (see figure). Show that  $\triangle ABC \cong \triangle ABD$ . What can you say about  $BC$  and  $BD$ ?



- Line  $l$  is the bisector of an  $\angle A$  and  $\angle B$  is any point on  $l$ .  $BP$  and  $BQ$  are perpendiculars from  $B$  to the arms of  $LA$  (see figure). Show that
  - $\triangle APB \cong \triangle AQB$

(ii)  $BP = BQ$  or B is equidistant from the arms at  $\angle A$ .



### Science

Q1.Explain how sound is produced by your school bell.

Q2.Guess which sound has a higher pitch: guitar or car horn?

Q3.How are the wavelength and frequency of a sound wave related to its speed?

Q4 Calculate the wavelength of a sound wave whose frequency is 220 Hz and speed is 440 m/s in a given medium.

Q5.Why are the ceilings of concert halls curved?

### Social Studies

1. Seasonal reversal of wind direction takes place over the Indian subcontinent?

2. The bulk of rainfall in India is concentrated over a few months.

3. The Tamil Nadu coast receives winter rainfall.

4. The delta region of the eastern coast is frequently struck by cyclones.

5. Parts of Rajasthan, Gujarat and the leeward side of the Western Ghats are drought-prone.

6.Describe various sources of rainfall other than monsoon that takes place in India.

7. What is the impact of unemployment?

8.How the employability in any sector indicate the economic growth of the country?