

**Date: 15<sup>th</sup> June, 2020 Sainik Coaching**

**Subject: English**

To read and understand this concept from any book.

*Example: The school will have provided...*

### 4. FUTURE PERFECT CONTINUOUS TENSE

The future perfect continuous tense denotes actions that continue for some time before they are completed in the future. This tense is also used to lay particular emphasis on the course of a future action.

Look at the following timeline:

You will have been flying to London tomorrow by this time.

Today  
8 a.m.  
Present

→

Tomorrow  
8 a.m.  
Future

The above sentence refers to:

- a definite time in the future which has been specified, *tomorrow by 8 a.m.*
- the continuity of the action for some time in the future, from *8 a.m. today to 8 a.m. tomorrow.*

Sentence Type	Sentence Structure	Examples
Affirmative (Yes-statement)	S + will/shall + have + been + V <sup>4</sup> + Obj.	We will <i>have been practising</i> for our cricket match for one week.
Negative (No-statement)	S + won't/shan't + have + been + V <sup>4</sup> + Obj.	We <i>won't have been practising</i> for our cricket match for one week.
Interrogative (Yes/No question)	Will/shall + S + have + been + V <sup>4</sup> + Obj. + ?	<i>Will we have been practising</i> for our cricket match for one week?
Interrogative (Wh-question)	Wh-word + will/shall + S + have + been + V <sup>4</sup> + Obj. + ?	What <i>will we have been doing</i> for one week? Or <i>How long will we have been practising</i> for our cricket match?

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**Subject: Maths**

Find the square root of the following decimal numbers:

A)6.25

B)12.96

C)56.25

D)1.5129

E)92.16

F)7.84

### 6.6 Square Roots of Decimals

Consider  $\sqrt{17.64}$

**Step 1** To find the square root of a decimal number we put bars on the integral part (i.e., 17) of the number in the usual manner. And place bars on the decimal part

$$\begin{array}{r}
 4 \\
 4 \overline{) 17.64} \\
 \underline{- 16} \\
 1
 \end{array}$$

**Step 2**

(i.e., 64) on every pair of digits beginning with the first decimal place. Proceed as usual. We get  $\overline{17.64}$ .

$$\begin{array}{r}
 4 \\
 4 \overline{) 17.64} \\
 \underline{- 16} \\
 8 \_ 164
 \end{array}$$

**Step 3**

Now proceed in a similar manner. The left most bar is on 17 and  $4^2 < 17 < 5^2$ . Take this number as the divisor and the number under the left-most bar as the dividend, i.e., 17. Divide and get the remainder.

The remainder is 1. Write the number under the next bar (i.e., 64) to the right of this remainder, to get 164.

$$\begin{array}{r}
 4. \\
 4 \overline{) 17.64} \\
 \underline{- 16} \\
 82 \_ 164
 \end{array}$$

**Step 4**

Double the divisor and enter it with a blank on its right. Since 64 is the decimal part so put a decimal point in the quotient.

$$\begin{array}{r}
 4.2 \\
 4 \overline{) 17.64} \\
 \underline{- 16} \\
 82 \_ 164 \\
 \underline{- 164} \\
 0
 \end{array}$$

**Step 5**

We know  $82 \times 2 = 164$ , therefore, the new digit is 2. Divide and get the remainder.

**Step 6**

Since the remainder is 0 and no bar left, therefore  $\sqrt{17.64} = 4.2$ .

**Example 13:** Find the square root of 12.25.

**Solution:**

$$\begin{array}{r}
 3.5 \\
 3 \overline{) 12.25} \\
 \underline{- 9} \\
 65 \_ 325 \\
 \underline{- 325} \\
 0
 \end{array}$$

Therefore,  $\sqrt{12.25} = 3.5$

**Which way to move**

Consider a number 176.341. Put bars on both integral part and decimal part. In what way is putting bars on decimal part different from integral part? Notice for 176 we start from the unit's place close to the decimal and move towards left. The first bar is over 76 and the second bar over 1. For .341, we start from the decimal and move towards right. First bar is over 34 and for the second bar we put 0 after 1 and make  $\overline{.3410}$ .



## Subject: Hindi

Learn & write. (वाक्यांश के लिए एक शब्द)

जो कान को कटु लगे	कर्णकटु
कष्टों या कौंटों से भरा हुआ	कंटकाकीर्ण
अपने कर्तव्य का निर्णय न कर सकने वाला	किंकर्तव्यविमूढ़
जो कटु बोलता है	कटुभाषी
जो कष्ट को सहन कर सके	कष्टसहिष्णु
जो काम से जी चुराता है	कामचोर
किसी के उपकार को न मानने वाला	कृतघ्न
जो कहा गया है	कथित
जो कहने योग्य हो	कथ्य/कथनीय
जो कला जानता हो	कलाविद्/कलाकार
जो अच्छे कुल में उत्पन्न हुआ हो	कुलीन
बेलों आदि से घिरा हुआ सुरम्य स्थान	कुंज
जो किये गये उपकारों को जानता (मानता) हो	कृतज्ञ
जो कर्तव्य से च्युत हो गया है	कर्तव्यच्युत
जिसे वाह्य जगत् का ज्ञान न हो	कुपमण्डूक
किसी की कृपा से पूरी तरह संतुष्ट	कृतार्थ
जिसकी बुद्धि कुश के अग्र (नोक) की तरह तेज हो	कुशाग्रबुद्धि
जो पुरुष कविता रचता है	कवि
जो स्त्री कविता रचती है	कवयित्री
जिसके पास करोड़ों रुपये हों	करोड़पति
वह बात जो जनसाधारण में चलती आ रही है	किंवदन्ती
जिस लड़की का विवाह न हुआ हो	कुमारी
जिसे क्रय किया गया हो	क्रीत
वह नायिका जो कृष्ण पक्ष में अपने प्रेमी से मिलने जाती हो	कृष्णाभिसारिका
जो कल्पना से परे हो	कल्पनातीत
कारागार से संबंध रखने वाला	कारागारिक
कार्य करने वाला व्यक्ति	कार्यकर्ता
किन्हीं निश्चित कार्यों के लिए बनायी गयी समिति	कार्यसमिति
पद, उम्र आदि के विचार से औरों से अपेक्षाकृत छोटा	कनिष्ठ