

NCERT SOLUTIONS

CLASS - 5th



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Class : 5th
Subject : Maths
Chapter : 10
Chapter Name : Tenths And Hundredths

Q1 What was the length of the smallest pencil you have used?

Answer. The Length of the Smallest Pencil Which I Used was 7cm.

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Q2 How long is this pencil? Guess __ cm. Measure it using a scale. How good is your guess?

Answer. I Guess it is 4 cm.

Page : 134 , Block Name : Tenths And Hundredths

Q3 What is the length of this pencil? _____ mm. What is its length in centimeters?



Answer.

The Length of given Pencil is 6mm .

$$\text{In cm} = \frac{6\text{MM}}{10}$$

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Q4 Have you seen frogs? Where? How many different types of frogs have you seen? Are all the frogs of the same length? Here are two interesting examples.

Answer. Yes, I have seen frogs. I have seen in ponds. I have seen only single types of frog. I think all frogs are not in the same length.

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Q5 What does 0.9 cm mean? It is the same as ___ millimeters. We can also say this is nine-tenths of a cm. Right?

Answer. $0.9 \text{ cm} = 9 \text{ mm}$
Yes, it is nine tenth of a cm.

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Q6 So, 30.5 cm is the same as ___ cm and ___ millimeter?

Answer. 30.5 cm is the same as 30 cm and 5 millimeters.

Page : 135 , Block Name : Tenths And Hundredths

Q7 About how many of the big frogs will fit on the 1m scale?

Answer. $1\text{m} = 100\text{cm}.$
 $100/30 = 33.333 \dots$

Hence, we can say that there are 3 or 4 frogs can fit on 1 m scale.

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Q8 If they sit in a straight line about how many of the small frogs will cover 1m?

Answer. $100 \text{ cm} = 1000 \text{ mm}.$
 $\frac{1000}{9} = 111.111 \dots$

Hence, there can 111 frogs sit.

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Q1 Length of the nail – 2 cm and ___ mm or 2. ___ cm.

Answer. 2 cm, 9 mm, and 2.9 cm.

Page : 135 , Block Name : Practice Time

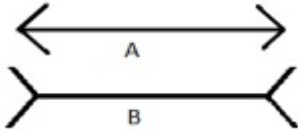


Q2 The length of this lady's finger (bhindi) is ___ cm and ___ mm. We can also write it as ___ cm.

Answer. The length of the lady's finger is 8.3 cm

Page : 136 , Block Name : Practice Time

Q1 Which line is longer? A or B? Measure each line and write how long it is in centimeters. How good is your guess?



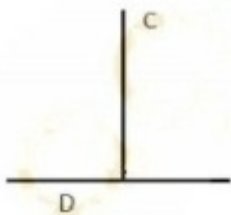
Answer. Line B is longer than A.

A = 4.6 cm.

B = 4.7 cm.

Page : 137 , Block Name : Our Eyes Get Confused?

Q2 Which line is longer? C or D? Measure each line. How good is your guess?



Answer. Line C is longer than D. Both lines are equal measures.

Page : 137 , Block Name : Our Eyes Get Confused?

Q1 Guess whose tail is the longest. Now measure the tails. How good is your guess?

Answer. The monkey's tail is the longest.

Lizard : 1.6 cm.

Rat : 1.4 cm.

Cat : 1.3 cm.

Puppy : 1 cm.

Monkey: 2.4 cm.

Pig : 1 cm.

Page : 138 , Block Name : Whose Tail Is The Longest?

Q1 What is the length of a 100 rupee note? Guess. Now measure it using a scale.

Answer. I Guess the length of a 100 rupee note is 15 cm long. But its correct measure is 15.5 cm long.

Page : 138 , Block Name : The Longest Rupee Notes?

Q1 How many paise does a matchbox cost?

Answer. 50 Paise.

Page : 139 , Block Name : At The Market

Q2 How many matchboxes can be got for Rs 2.50?

Answer. Five

Page : 139 , Block Name : At The Market

Q3 How many rupees does the soap cost?

Answer. R.8.75.

Page : 139 , Block Name : At The Market

Q4 Arun wanted to buy a soap. He has a five-rupee coin, 2 one-rupee coins and, 4 half-rupee coins. Write in rupees what money he will get back.

The total money Arun has.

Answer. $5 \times 1 = \text{Rs. } 5$

$1 \times 2 = \text{Rs. } 2$

$4 \times 0.5 = \frac{\text{Rs. } 2}{\text{Rs. } 9}$

Price of soap = Rs. 8.75

Arun will get back = $9 - 8.75$

= 0.25Rs

Page : 139 , Block Name : At The Market

Q5 a) An Egg costs two and a half rupees. How much will one and a half dozen cost?

b) How many pens can Kannan buy? How much money is left?

Answer. a) Cost of an egg = Rs. 2.50

Cost of 1 and half dozen egg = 18×2.50

= Rs. 45

Remaining Money = Rs. 60 - 45

= Rs. 45.

Page : 139 , Block Name : At The Market

Q6 The price of two pens is Rs _____. Can she buy two pens?

Answer. Yes.

Page : 139 , Block Name : At The Market

Q1 What part of this sheet is colored blue? ___/10

Answer. $\frac{1}{10}$ Part is blue.

Page : 140 , Block Name : Colourful Design

Q2 What part of the sheet is green?

Answer. $\frac{3}{10}$

Page : 140 , Block Name : Colourful Design

Q3 Which colour covers 0.2 of the sheet?

Answer. Yellow

Page : 140 , Block Name : Colourful Design

Q4 Now look at the second sheet. Each strip is divided into 10 equal boxes. How many boxes are there in all?

Answer. 100

Page : 140 , Block Name : Colourful Design

Q5 Is each box $\frac{1}{100}$ part of the sheet?

Answer. Yes

Page : 140 , Block Name : Colourful Design

Q6 How many blue boxes are there?

Answer. 10 blue boxes.

Page : 140 , Block Name : Colourful Design

Q7 Is blue equal to $\frac{10}{100}$ of the sheet? We saw that blue is also equal to $\frac{1}{10}$ of the sheet. We wrote it as 0.1 of the sheet.

Answer. yes

Page : 140 , Block Name : Colourful Design

Q8 Can we write ten paise as 0.1 of a rupee?

Answer. Yes, we can write

Page : 141 , Block Name : Colourful Design

Q9 How many boxes are red? What part of the sheet is this? 15/____

Answer. 15 boxes $\frac{15}{100}$ part

Page : 141 , Block Name : Colourful Design

Q10 Can we also write it as 0.15 of the sheet?

Answer. yes

Page : 141 , Block Name : Colourful Design

Q11 Now $\frac{3}{100}$ of the sheet is black. We can say 0.____ sheet is black.

Answer. $\frac{3}{100} = 0.03$

Page : 141 , Block Name : Colourful Design

Q12 How many white boxes are there on the sheet?

Answer. 22 boxes.

Page : 141 , Block Name : Colourful Design

Q13 What part of the second sheet is white? ____

Answer. $\frac{22}{100}$

Page : 141 , Block Name : Colourful Design

Q14 how far did Anu jump? ____ m and ____ cm

Answer. 3.05 m and 3.5 cm.

Page : 141 , Block Name : Colourful Design

Q1 Who is the winner in the long jump?

Answer. Rehana.

Page : 141 , Block Name : Sports Day

Q2 Write the names of the I, II and III winners on this stand.




Answer. I – Rehana

II – Meena

III – Teena

Page : 142 , Block Name : Sports Day

Q1

3 metre 45 centimetre		metres
99 centimetre		metres
1 metre and 5 centimetre		metres

Answer. 3.45 m.

0.99 m.

1.05 m.

Page : 142 , Block Name : Write In Metres

Q1 A) After breathing out 1.52m

B) On taking a deep breath 1.82m

Answer. Different in size: $1.82\text{ m} - 1.52\text{ m} = 0.30\text{ m}$

Page : 142 , Block Name : How Big Can You Get

Q2 What is Dinesh's height in meters? ____ m ____ cm.

Answer. 2 m 45 cm.

= 200 cm – 45 cm

= 1 m 55 cm.

Page : 142 , Block Name : How Big Can You Get

Q1 Have you seen any notes or coins used in any other country?

Answer. yes, I have seen the notes and coins of UAE.

Page : 143 , Block Name : Practice Time

Q2 The money of which country will cost the most in Indian Rupees?

Answer. The money of England will cost the most in Indian Rupees.

Page : 143 , Block Name : Practice Time

Q3 Mithun's uncle in America had sent him 10 US dollars as a gift. Mithun used 350 rupees for a school trip. How much money was left with him?

Answer. Cost of 10 dollars in Indian rupees

$$= 10 \times 39.70$$

$$= 397$$

$$\text{Money left} = 397 - 350$$

$$= 47 \text{Rs}$$

Page : 143 , Block Name : Practice Time

Q4 Majeed's father is working in Saudi Arabia. He gets 1000 Saudi Riyal as salary. Arun's father who is working in Sri Lanka gets 2000 Sri Lankan Rupees. Who gets more Indian rupees as salary?

Answer. Majeed's father salary = 1000×10.52 .

= 10520 Rupees.

Arun's father salary = 2000×0.37

= 740 Rupees.

Hence, Majeed's father earns more.

Page : 144 , Block Name : Practice Time

Q5 Leena's aunty brought a present for her from China. It cost 30 Yuan. Find what it costs in Indian rupees.

Answer. 1 yuan = Rs. 5.50

30 yuan = 5.50×30

= 165 Rupees.

Astha wants some Hong Kong Dollar and Won.

Page : 144 , Block Name : Practice Time

Q6 Astha wants some Hong Kong Dollars and Won.

- 1) How many Won can she change for Rs 4? For Rs 400?
- 2) How many Hong Kong Dollars can she change for Rs 508?

Answer. 1) 1 won = Rs. - 0.04

Hence, 100 won = $100 \times 0.04 = \text{Rs. } 4$

2) 1 HK Dollar = Rs.5.10

Hence, Rs. 508 = $508/5.10 = 99.61$ HK Dollars.

Page : 144 , Block Name : Practice Time

Q1 Which place had the highest temperature at 3 pm? Which place is the coolest at that time?

Answer. Mumbai had the highest temperature at 3 pm and Srinagar had the lowest temperature at the same time.

Page : 145 , Block Name : Which City Is Cool?

Q2 How much higher is the temperature in Mumbai from that in Srinagar?

Answer. $35.1 - 8.1^{\circ}\text{C}$
 $= 27.0^{\circ}\text{C}$

Page : 145 , Block Name : Which City Is Cool?

Q3 How many degrees will the temperature need to rise for it to reach 40°C in Thiruvananthapuram?

Answer. $40^{\circ}\text{C} - 33.5^{\circ}\text{C} = 6.5^{\circ}\text{C}$

Page : 145 , Block Name : Which City Is Cool?

Q4 How much lower is the temperature of Kolkata from that in Chennai?

Answer. $29.9^{\circ}\text{C} - 26.6^{\circ}\text{C} = 3.3^{\circ}\text{C}$

The temperature in these cities was also noted at 3 am on the same day. Look at the table and answer the questions

Page : 145 , Block Name : Which City Is Cool?

Q5 The temperature in these cities was also noted at 3 am on the same day. Look at the table and answer the questions.

- a) Which place had the lowest temperature at 3 am? Imagine yourself to be there and describe how it would feel.
- b) What is the difference between the temperatures at 3 pm and 3 am in Chennai? In Bhopal?

Answer. a) Srinagar. We feel cold.

b) Chennai = $29.9^{\circ}\text{C} - 21.1^{\circ}\text{C}$

= 8.8°C

Bhopal = $25.9^{\circ}\text{C} - 9.8^{\circ}\text{C}$

= 16.1°C

Page : 145 , Block Name : Which City Is Cool?