

Maharashtra Board Solutions Class 6-Maths (Practice Set 30): Chapter 12- Percentage



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Maharashtra Board Solutions Class 6-Maths

(Practice Set 30): Chapter 12- Percentage

Class 6: Maths Chapter 12 solutions. Complete Class 6 Maths Chapter 12 Notes.

Maharashtra Board Solutions Class 6-Maths (Practice Set 30): Chapter 12- Percentage

Maharashtra Board 6th Maths Chapter 12, Class 6 Maths Chapter 12 solutions

Question 1.

Shabana scored 736 marks out of 800 in her exams. What was the percentage she scored?

Solution:

Total marks of the examination = 800

Marks scored by Shabana = 736

Suppose Shabana scored A% marks.

$$\begin{aligned}\therefore \frac{A}{100} &= \frac{736}{800} \\ \therefore \frac{A}{100} \times 100 &= \frac{736}{800} \times 100 && \text{....(Multiplying both sides by 100)} \\ \therefore A &= \frac{736 \times 100}{800}\end{aligned}$$

$$\therefore A = 92\%$$

$\therefore$ Shabana scored 92% marks.

Question 2.

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There are 500 students in the school in Dahihanda village. If 350 of them can swim, what percent of them can swim and what percent cannot?

Solution:

Total number of students in the school = 500

Number of students who can swim = 350

Suppose A% students can swim.

$$\therefore \frac{A}{100} = \frac{350}{500}$$

$$\therefore \frac{A}{100} \times 100 = \frac{350}{500} \times 100 \quad \dots(\text{Multiplying both sides by } 100)$$

$$\therefore A = \frac{350 \times 100}{500}$$

$$\therefore A = 70\%$$

Percentage of students who cannot swim = 100% – Percentage of students who can swim .

$$= 100\% - 70\% = 30\%$$

$\therefore$ 70% of the students can swim and 30% cannot swim.

Question 3.

If Prakash sowed jowar on 75% of the 19500 sq. m. of his land, on how many sq. m. did he actually plant jowar?

Solution:

Total area of the land = 19500 sq. m.

Percentage of area in which Prakash sowed jowar = 75%

Suppose Prakash planted jowar in A sq. m.

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$$\begin{aligned}\therefore \frac{A}{19500} &= \frac{75}{100} \\ \therefore \frac{A}{19500} \times 19500 &= \frac{75}{100} \times 19500 \quad \dots(\text{Multiplying both sides by } 19500) \\ \therefore A &= \frac{75 \times 19500}{100}\end{aligned}$$

$\therefore A = 14,625$ sq. m.

$\therefore$ Prakash planted jowar in 14,625 sq.m.

Question 4.

Soham received 40 messages on his birthday. Of these, 90% were birthday greetings. How many other messages did he get besides the greetings?

Solution:

Total messages received by Soham on his birthday = 40

Percentage of messages received for birthday greetings = 90%

Suppose Soham got A number of birthday greetings.

$$\begin{aligned}\therefore \frac{A}{40} &= \frac{90}{100} \\ \therefore \frac{A}{40} \times 40 &= \frac{90}{100} \times 40 \quad \dots(\text{Multiplying both sides by } 40) \\ \therefore A &= \frac{90 \times 40}{100}\end{aligned}$$

$\therefore A = 36$

$\therefore$ Number of messages received other than birthday greetings

= total messages received – total number of birthday greetings

= $40 - 36 = 4$

$\therefore$ The number of messages received other than birthday greetings is 4.

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Question 5.

Of the 5675 people in a village 5448 are literate. What is the percentage of literacy in the village?

Solution:

Number of people in the village = 5675

Number of people who are literate = 5448

Suppose the percentage of literacy in the village is A%.

$$\therefore \frac{A}{100} = \frac{5448}{5675}$$

$$\therefore \frac{A}{100} \times 100 = \frac{5448}{5675} \times 100 \quad \dots(\text{Multiplying both sides by } 100)$$

$$\therefore A = \frac{5448 \times 100}{5675}$$

$$\therefore A = 96\%$$

$\therefore$ The percentage of literacy in the village is 96%.

Question 6.

In the elections, 1080 of the 1200 women in Jambhulgaon cast their vote, while 1360 of the 1700 in Wadgaon cast theirs. In which village did a greater proportion of women cast their votes?

Solution:

Total number of women in Jambhulgaon = 1200

Number of women in Jambhulgaon who voted = 1080

Suppose A% women cast their vote in Jambhulgaon village.

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$$\therefore \frac{A}{100} = \frac{1080}{1200}$$

$$\therefore \frac{A}{100} \times 100 = \frac{1080}{1200} \times 100$$

.... (Multiplying both sides by 100)

$$\therefore A = \frac{1080 \times 100}{1200}$$

$$\therefore A = 90\%$$

In Jambhulgaon, the percentage of women who voted in the elections was 90%.

Total number of women in Wadgaon = 1700 Number of women in Wadgaon who voted = 1360

Suppose B% women cast their vote in Wadgaon.

$$\therefore \frac{B}{100} = \frac{1360}{1700}$$

$$\therefore \frac{B}{100} \times 100 = \frac{1360}{1700} \times 100$$

.... (Multiplying both sides by 100)

$$\therefore B = \frac{1360 \times 100}{1700}$$

$$\therefore B = 80\%$$

$\therefore$ In Wadgaon, the percentage of women who voted in the elections was 80%.

$\therefore$ A greater proportion of women cast their votes in Jambhulgaon.

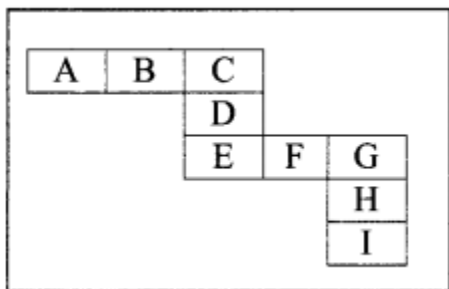
Questions and Activities

Question 1.

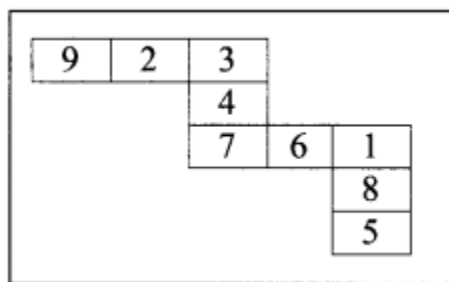
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There are 9 squares in the figure alongside. The letters ABCDEFGHI are written in squares. Give each of the letters a unique number from 1 to 9 so that every letter has a different number.

Besides, $A + B + C = C + D + E = E + F + G = G + H + I$ should also be true. (Textbook pg. no. 64)



Solution:



(This is one of the possible solutions of the above riddle. There are more solutions possible.)



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- Chapter 1- Basic Concepts in Geometry (Practice Set 1)
- Chapter 2- Angles (Practice Set 2)
- Chapter 2- Angles (Practice Set 3)
- Chapter 3- Integers (Practice Set 4)
- Chapter 3- Integers (Practice Set 5)
- Chapter 3- Integers (Practice Set 6)
- Chapter 3- Integers (Practice Set 7)
- Chapter 3- Integers (Practice Set 8)
- Chapter 4- Operations on Fractions (Practice Set 9)
- Chapter 4- Operations on Fractions (Practice Set 10)
- Chapter 4- Operations on Fractions (Practice Set 11)
- Chapter 4- Operations on Fractions (Practice Set 12)
- Chapter 4- Operations on Fractions (Practice Set 13)
- Chapter 5- Decimal Fractions (Practice Set 14)
- Chapter 5- Decimal Fractions (Practice Set 15)
- Chapter 5- Decimal Fractions (Practice Set 16)
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- Chapter 6- Bar Graphs (Practice Set 18)
- Chapter 6- Bar Graphs (Practice Set 19)
- Chapter 7- Symmetry (Practice Set 20)
- Chapter 7- Symmetry (Practice Set 21)
- Chapter 8- Divisibility (Practice Set 22)

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- Chapter 9- HCF-LCM (Practice Set 23)
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- Chapter 9- HCF-LCM (Practice Set 25)
- Chapter 10- Equations (Practice Set 26)
- Chapter 10- Equations (Practice Set 27)
- Chapter 11- Ratio-Proportion (Practice Set 28)
- Chapter 11- Ratio-Proportion (Practice Set 29)
- Chapter 12- Percentage (Practice Set 30)
- Chapter 13- Profit-Loss (Practice Set 31)
- Chapter 13- Profit-Loss (Practice Set 32)
- Chapter 13- Profit-Loss (Practice Set 33)
- Chapter 13- Profit-Loss (Practice Set 34)
- Chapter 14- Banks and Simple Interest (Practice Set 35)
- Chapter 15- Triangles and their Properties (Practice Set 36)
- Chapter 16- Quadrilaterals (Practice Set 37)
- Chapter 16- Quadrilaterals (Practice Set 38)
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About About Maharashtra State Board (MSBSHSE)

The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

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FAQs

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Who developed the Maharashtra State board books?

As of now, the MSCERT and Balbharti are responsible for the syllabus and textbooks of Classes 1 to 8, while Classes 9 and 10 are under the Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE).

How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

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