PERL EDUCATION

DPP

DAILY PRACTICE PAPER

DATA HANDLINGS
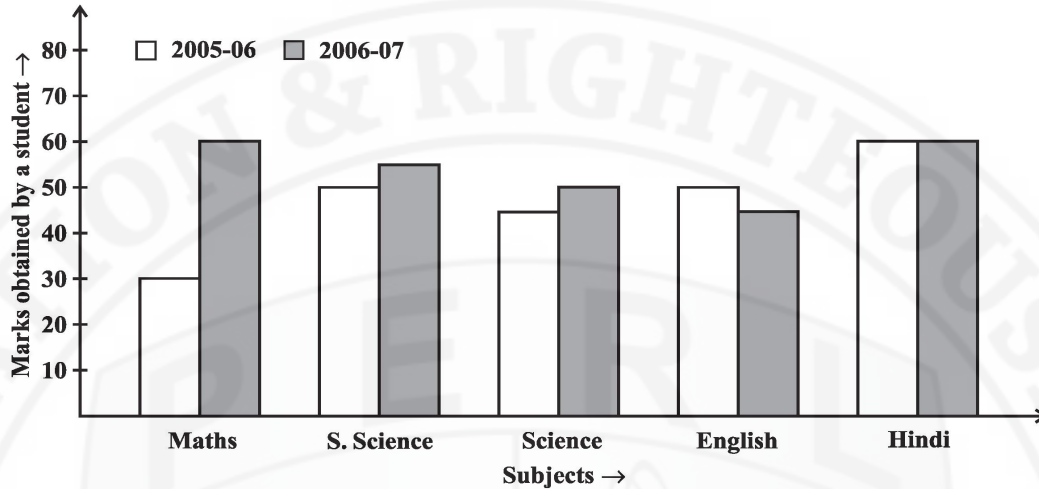
MATHEMATICS

8th CBSE

Following bar graph shows marks obtained by a student in 2005–06 and 2006–07 subject wise. Read and answer the questions from Q1 – Q10
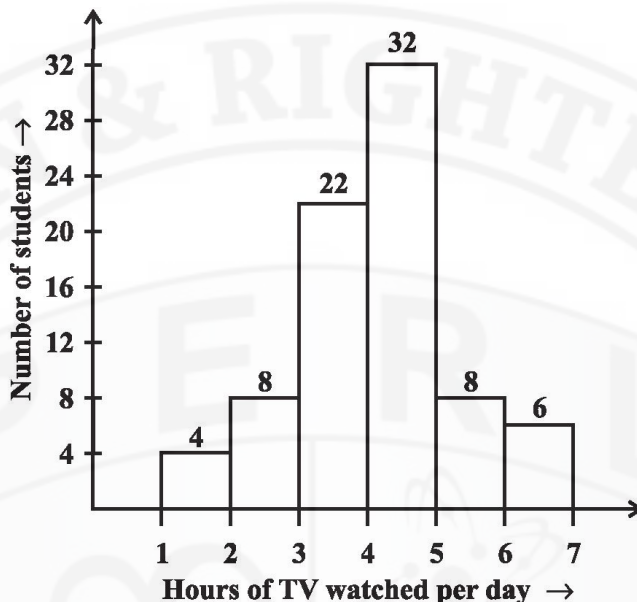

1. In which subject has the performance improved the most?
    (a) Maths   (b) Science   (c) S. Science   (d) none of these

2. In which subject has the performance deteriorated?
    (a) English   (b) Science   (c) S. Science   (d) none of these

3. In which subject is the performance at par?
    (a) Hindi   (b) Science   (c) S. Science   (d) none of these

4. Find the marks obtained in Maths by a student in 2005–06 ?
    (a) 30   (b) 40   (c) 50   (d) 60

5. Find the marks obtained in Maths by a student in 2006–07 ?
    (a) 30   (b) 40   (c) 50   (d) 60

6. Find the marks obtained in Hindi by a student in 2005–06 ?
    (a) 30   (b) 40   (c) 50   (d) 60

7. Find the marks obtained in Hindi by a student in 2006–07 ?
    (a) 30   (b) 40   (c) 50   (d) 60

8. Find the marks obtained in S. Science by a student in 2005–06 ?
    (a) 30   (b) 40   (c) 50   (d) 60

9. Find the total marks obtained by a student in 2005–06?
    (a) 230   (b) 235   (c) 240   (d) none of these

10. Find the total marks obtained by a student in 2006–07?
    (a) 230   (b) 270   (c) 240   (d) none of these

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Frequency Distribution of Daily Income of 550 workers of a factory is given below. Study the following frequency distribution table and answer the questions from Q1 – Q10.

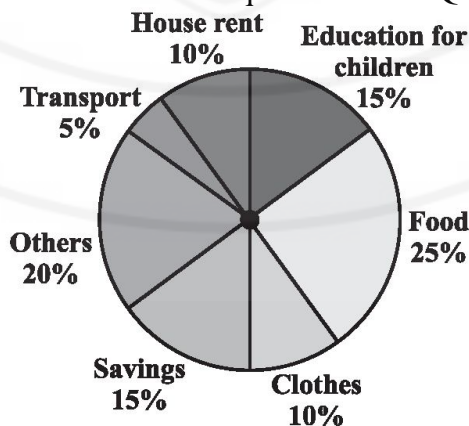| Class Interval (Daily Income in Rupees)	Frequency (Number of workers)
100-125	45
125-150	25
150-175	55
175-200	125
200-225	140
225-250	55
250-275	35
275-300	50
300-325	20
Total	**550**

1. What is the size of class intervals ?
   (a) 24   (b) 25   (c) 26   (d) 15

2. Which class has the highest frequency ?
   (a) 200-225   (b) 300-325   (c) 175-200   (d) 150-175

3. Which class has the lowest frequency ?
   (a) 100-125   (b) 300-325   (c) 175-200   (d) 150-175

4. What is the upper limit of the class interval 250-275?
   (a) 250   (b) 275   (c) 25   (d) 525

5. Which two classes have the same frequency?
   (a) III & IV   (b) I & II   (c) II & V   (d) V & VI

6. What is the range of the all class interval?
   (a) 250   (b) 275   (c) 225   (d) 525

7. What is the lower limit of the class interval 250-275?
   (a) 250   (b) 275   (c) 25   (d) 525

8. What is the total number of workers having daily income less than 250?
   (a) 300   (b) 445   (c) 305   (d) 550

9. What is the total number of workers having daily income more than 200?
   (a) 300   (b) 445   (c) 305   (d) 550

10. What is the total number of workers having daily income between 150–250?
    (a) 300   (b) 445   (c) 375   (d) 550

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The number of hours for which students of particular class watched television during holidays is shown through the graph given below. See and answer the questions from Q1 – Q5.

1. For how many hours did the maximum number of students watch TV ?

    (a) 4-5 hrs   (b) 6-7 hrs   (c) 3-4 hrs   (d) 2-3hrs

2. How many students watched TV for less than 4 hrs ?

    (a) 12   (b) 34   (c) 4   (d) 8

3. How many students spent more than 5 hrs in TV watching ?

    (a) 14   (b) 0   (c) 6   (d) 8

4. For how many hours did the minimum number of students watch TV ?

    (a) 2-3 hrs   (b) 6-7 hrs   (c) 1-2 hrs   (d) 3-4hrs

5. How many students spent less than 5 hrs in TV watching ?

    (a) 34   (b) 32   (c) 8   (d) 66

Adjoining pie-chart gives the expenditure (in %age) on various items and savings of a family during a month. Study the given pie-chart and answer the questions from Q6 – Q10.

6. On which item the expenditure was maximum ?
    (a) food   (b) education   (c) others   (d) transport

7. On which item the expenditure was minimum ?
    (a) food   (b) education   (c) others   (d) transport

8. Expenditure on which item is equal to total savings of the family ?
    (a) food   (b) education   (c) others   (d) transport

9. Expenditure on which item is equal to total savings of the House Rent?
    (a) food   (b) education   (c) clothes   (d) transport

If the monthly savings of the family is Rs 3000,

10. What is the monthly income of the family?
    (a) 30000   (b) 20000   (c) 25000   (d) 40000

11. What is the monthly expenditure on cloths ?
    (a) 3000   (b) 2000   (c) 2500   (d) 1000

12. What is the monthly expenditure on education for children ?
    (a) 3000   (b) 2000   (c) 2500   (d) 1000

13. What is the monthly expenditure on education for others?
    (a) 3000   (b) 2000   (c) 2500   (d) 4000

14. What is the monthly expenditure on education for Transport?
    (a) 3000   (b) 2000   (c) 2500   (d) 1000

15. What is the monthly expenditure on education for Food?
    (a) 3000   (b) 5000   (c) 2500   (d) 4000

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Cards are marked with numbers 1 to 25 are placed in the box and mixed thoroughly. One card is drawn at random from the box. Answer the following questions (Q1-Q10)

1. What is the probability of getting a number 5?

   (a) 1   (b) 0   (c) $\dfrac{1}{25}$ (d) $\dfrac{1}{5}$

2. What is the probability of getting a number less than 11?

   (a) 1   (b) 0   (c) $\dfrac{1}{5}$ (d) $\dfrac{2}{5}$

3. What is the probability of getting a number greater than 25?

   (a) 1   (b) 0   (c) $\dfrac{1}{5}$ (d) $\dfrac{2}{5}$

4. What is the probability of getting a multiple of 5?

   (a) 1   (b) 0   (c) $\dfrac{1}{25}$ (d) $\dfrac{1}{5}$

5. What is the probability of getting an even number?

   (a) 1   (b) 0   (c) $\dfrac{12}{25}$ (d) $\dfrac{13}{25}$

6. What is the probability of getting an odd number?

   (a) 1   (b) 0   (c) $\dfrac{12}{25}$ (d) $\dfrac{13}{25}$

7. What is the probability of getting a prime number?

   (a) $\dfrac{8}{25}$ (b) $\dfrac{9}{25}$ (c) $\dfrac{12}{25}$ (d) $\dfrac{13}{25}$

8. What is the probability of getting a number divisible by 3?

   (a) $\dfrac{8}{25}$ (b) $\dfrac{9}{25}$ (c) $\dfrac{12}{25}$ (d) $\dfrac{13}{25}$

9. What is the probability of getting a number divisible by 4?

   (a) $\dfrac{8}{25}$ (b) $\dfrac{9}{25}$ (c) $\dfrac{6}{25}$ (d) $\dfrac{3}{25}$

10. What is the probability of getting a number divisible by 7?

    (a) $\dfrac{8}{25}$ (b) $\dfrac{9}{25}$ (c) $\dfrac{6}{25}$ (d) $\dfrac{3}{25}$