



DATA HANDLING

Worksheet 2



1. A card is drawn from a packet of 50 cards numbered 1 to 50. Find the probability of drawing a card with a prime number.

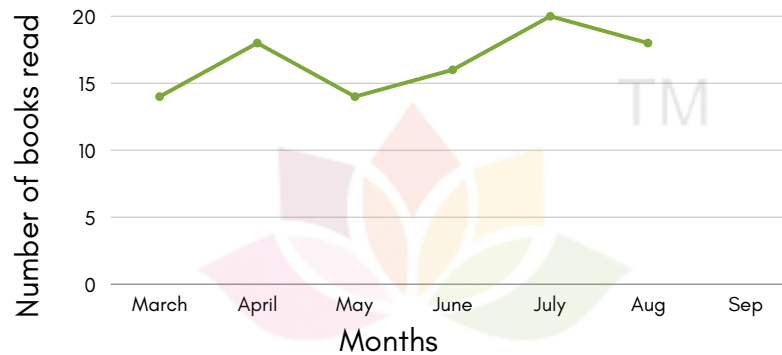
A. $\frac{2}{25}$

B. $\frac{7}{25}$

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

D. None of these

2. The given line graph shows the number of books read by Shivani in 7 months.



What is the ratio of number of books read in May and July together to the total number of books read in 7 months?

A. 12 : 71

B. 3 : 7

C. 17 : 56

D. 16 : 7

3. A die is thrown once. Find the probability that the number on the uppermost face is

(a) 5

(b) not a multiple of 2.

	(a)	(b)
A.	$\frac{5}{6}$	$\frac{1}{6}$
B.	$\frac{1}{2}$	$\frac{3}{2}$
C.	$\frac{1}{6}$	$\frac{1}{2}$
D.	$\frac{3}{4}$	$\frac{1}{4}$

4. Find the median and mode respectively of the given data.

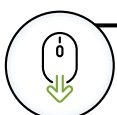
92, 42, 62, 86, 48, 29, 62, 64, 42, 62, 82

A. 62, 62

B. 42, 42

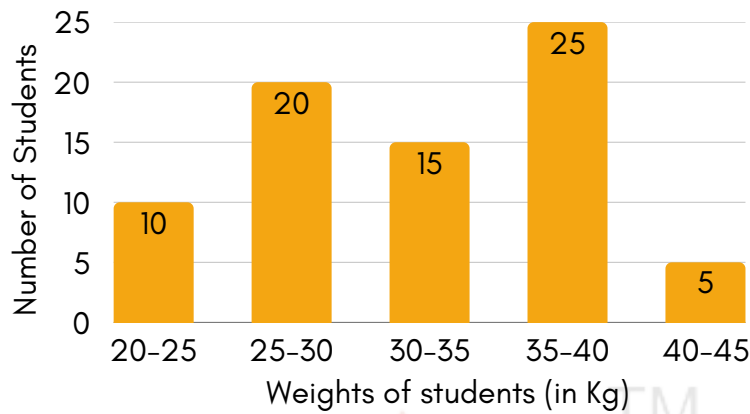
C. 62, 42

D. 82, 62



scroll down for Answer key

5. Study the given histogram representing the weights of students of class VIII and answer the following questions.



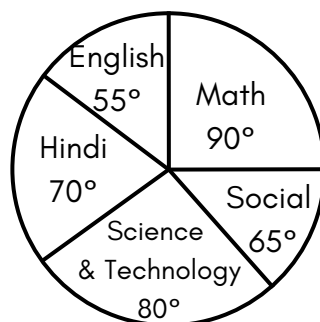
- (i) How many students weigh at least 30 kg but less than 45 kg?
 (ii) Which class interval has the highest frequency?

- | | (a) | (b) |
|----|-----|---------|
| A. | 35 | 20 - 25 |
| B. | 35 | 35 - 40 |
| C. | 40 | 25 - 30 |
| D. | 45 | 35 - 40 |

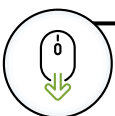
6. Shalini tosses a coin 98 times and head is obtained 56 times. If the coin is tossed at random, then what is the probability of getting a tail?

- A. $\frac{13}{98}$ B. $\frac{42}{13}$ C. $\frac{3}{7}$ D. $\frac{7}{9}$

7. The given pie chart gives the marks scored in an examination by a student in English, Hindi, Science & Technology, Social Science and Mathematics. If the total marks obtained by the student were 540, then the subject in which the student scored 105 marks is_____.



- A. English B. Mathematics C. Social Science D. Hindi



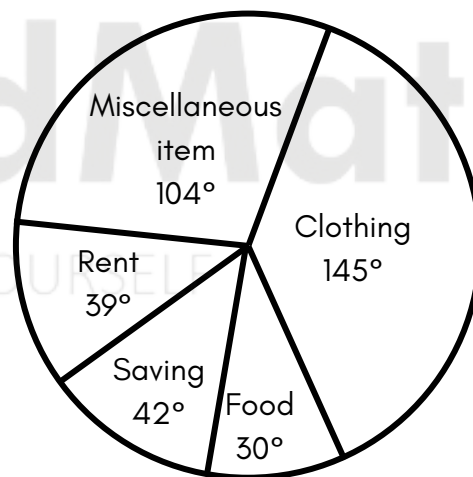
scroll down for Answer key

8. A box has 30 balls with number 1 to 30 written on them. One ball is drawn at random. Find the value of $(P + Q) \div R$ by completing the given table.

	Event	Probability
(i)	Getting a ball with a number less than 31	P
(ii)	Getting a ball with a number greater than 30	Q
(iii)	Getting a ball with an odd number	R

- A. 2 B. $\frac{1}{2}$ C. 1 D. 0

Direction : (9 - 10) : The given pie chart shows the monthly expenditure of a family on rent, clothing, food, savings and miscellaneous items. The family spends 520 on miscellaneous items.

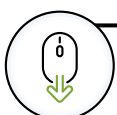


9. How much more does the family spend on clothing than on savings ?

- A. ₹ 752 B. ₹ 515 C. ₹ 650 D. ₹ 725

10. How much does the family spend on rent, food and clothing in a year, if the expenditure is same throughout the year?

- A. ₹ 12840 B. ₹ 14820 C. ₹ 15760 D. ₹ 18420



scroll down for Answer key



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Answer Key

1. B
2. C
3. D
4. A
5. A
6. B
7. C
8. C
9. A
10. A



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