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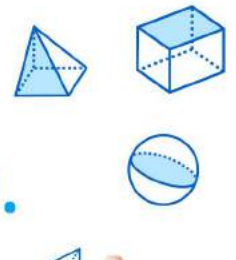

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7TH GRADE PROBABILITY WORKSHEETS

1. When three coins are tosses, list the total number of outcomes?

2. The Probability can have both positive and negative values as answers? (True / False)

$$\text{Probability} = \frac{\text{Favourable outcomes}}{\text{Possible outcomes}}$$

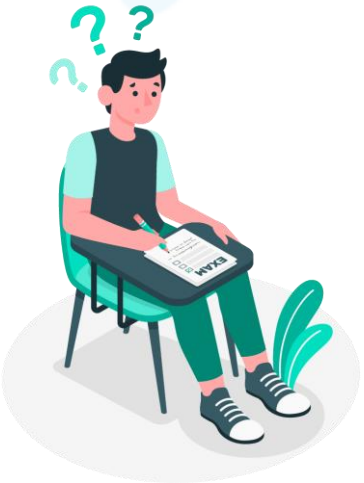
3. The probability values can be expressed in one of the following formats.
(a)Decimals (b)Fractions (c)Percentages (d) All of these

4. When a dice is rolled, what is the probability of getting a composite number?

5. What is the probability of getting a sum of outcomes as 11, when two dice and rolled?

6. Choose a number at random from 21 to 40. What is the probability that the number chosen is even?
(a) 2/3 (b) ½ (c) 2/5 (d) 3/5

7. The probability of Ron passing an exam is 67%. What is the probability of Ron failing in the examination?



8. In a lottery, there are 8 prized and 23 blanks. A lottery is drawn at random. What is the probability of getting a prize?
(a) 7/30 (b) 11/31 (c) 8/31 (d) 13/30

9. In a single throw of a dice, what is the probability of getting a number greater than 2?
(a) ½ (b) 1/3 (c) 2/3 (d) 1/4

10. What is the probability that a number selected from numbers 1,2,3,...,30, is prime number, when each of the given numbers is equally likely to be selected?
(a) 3/10 (b) 4/15 (c) 1/3 (d) 11/30

11. In a class, there are 25 boys and 15 girls. If a student is selected at random, what is the probability that the student is a boy?
(a) 2/7 (b) 5/7 (c) 5/8 (d) 3/7

12. A box contains 30 electric bulbs, out of which 12 are defective. If a bulb is picked at random, what is the probability that it is a defective bulb?
(a) 1/5 (b) 2/5 (c) 4/15 (d) 3/10

13. In a class, 40% of the students opted French, 50% opted English and25% opted for both. If a student is selected at random, what is the probability that he has opted for either French or English?
(a) 2/5 (b) 9/20 (c) 11/15 (d) 13/20

14. A exam has a multiple choice questions having more than one correct answer. A question has five options, and with two correct answers. What is the probability of getting the question right?

15. A number is selected at random from first 200 natural numbers. Find the probability that the number drawn is a perfect cube.
(a) 3/25 (b) 2/15 (c) 1/40 (d) 7/15

16. A and B are required to solve a problem independently. If 2/3 and 4/5 are their respective probabilities of solving the problem, then find the probability that neither of them solves the problem.
(a) 1/15 (b) 1/12 (c) 1/20 (d) 3/5

17. A card is drawn from a pack of 52 cards. Find the probability that it is neither a king nor a jack.
(a) 11/26 (b) 11/13 (c) ¼ (d)9/26

18. In a throw of two dice, the probability of getting a sum of at most 4 is
(a) 7/36 (b) 5/18 (c) 5/36 (d 1/6

19. How many three digit numbers can be formed using the digits 0, 1, 2, 3, 4, 5., if repetition of digits is allowed?

20. A course has 12 subjects, and the student has to clear atleast 5 courses to be promoted to the next semester. What is the probability of a particular student being promoted to the next semester?

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- Barbara Cabrera

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ANSWERS

1)	8
2)	False
3)	(d) All of these
4)	1/3
5)	1/18
6)	(b) ½

7)	33%
8)	(c) 8/31
9)	(c) 2/3
10)	(c) 1/3
11)	(c) 5/8
12)	(b) 2/5
13)	(d) 13/20

14)	2/5
15)	(c) 1/40
16)	(d) 3/5
17)	(b) 11/13
18)	(d) 1/6
19)	180
20)	5/12