

HOLIDAYS HOMEWORK

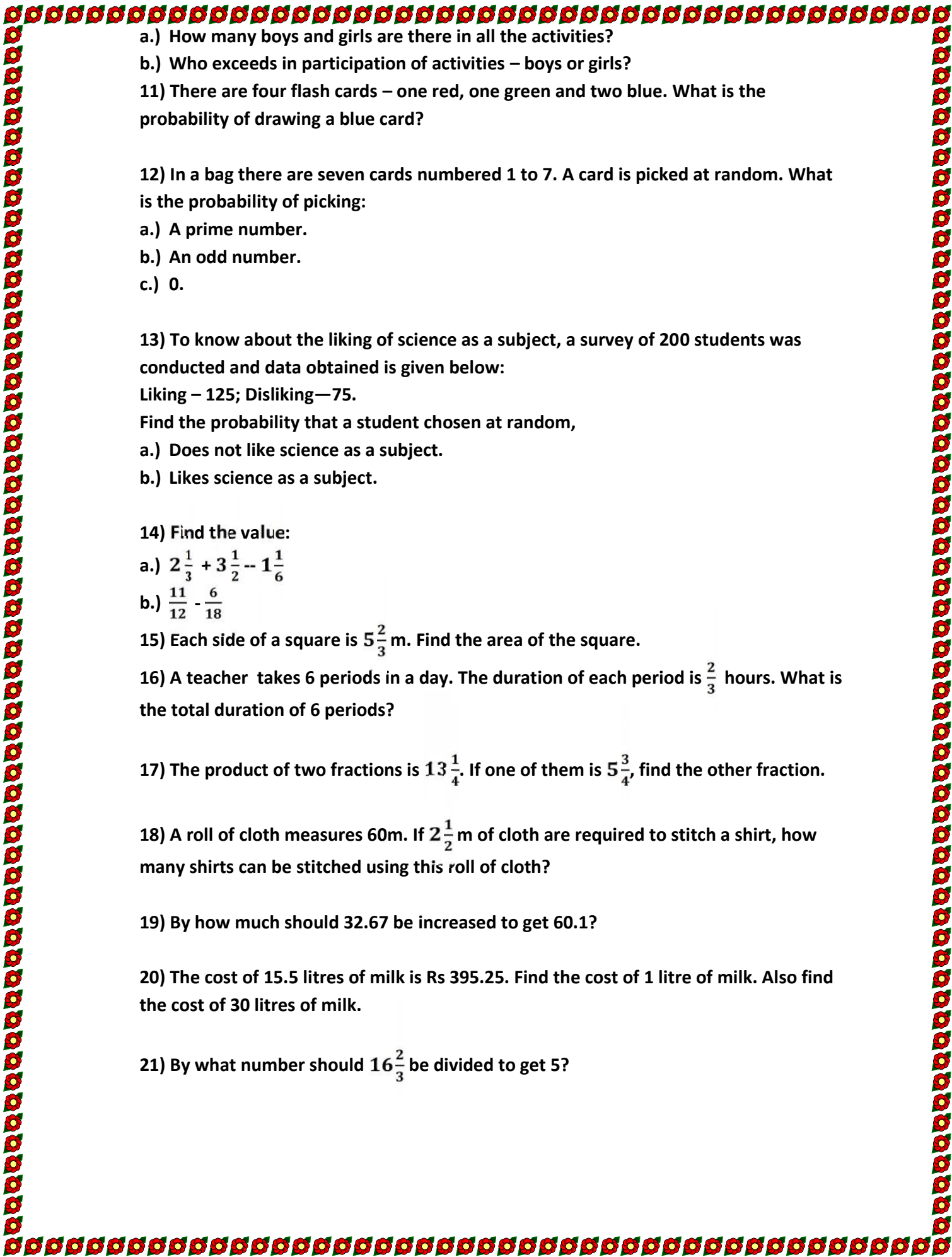
CLASS – 7

MATHEMATICS

- 1) Subtract (--24) from the sum of 38 and (-- 83).
- 2) The sum of two integers is (--18). If one of them is 53, find the other.
- 3) Solve:
 - a.) (--125) X (--9)
 - b.) (108) ÷ (--12)
- 4) Find the value using distributive property:
 - a.) (--3989) X 8 + 3989 X (--92)
 - b.) (--700) X 49 + (--700)
- 5) Verify the property $a \times (b+c) = a \times b + a \times c$
 $a = (-3), b = 7, c = (-9)$
- 6) What will be the sign of the resultant integer, if we multiply 5 negative integers and 2 positive integers? (HOTS)
- 7) Tanya entered the lift on the 20th floor and got out of the lift on 7th floor. How many floors did she travel downwards?
- 8) The maximum daily temperatures (in °C) for the first week of a month in Delhi are 37, 35, 38, 34, 39, 33, 33. Calculate the range and median temperature of the week.
- 9) The runs scored by Sachin Tendulkar in 7 one day international matches are 99, 66, 102, 72, 48, 89 and 62 respectively. Find his mean score.
- 10) Draw a bar graph to compare the various activities taken up by boys and girls of class

VII in school.

ACTIVITIES	ART	MUSIC	DANCE	YOGA	DRAMATICS
BOYS	10	40	25	20	15
GIRLS	15	30	35	20	25

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- a.) How many boys and girls are there in all the activities?
- b.) Who exceeds in participation of activities – boys or girls?
- 11) There are four flash cards – one red, one green and two blue. What is the probability of drawing a blue card?
- 12) In a bag there are seven cards numbered 1 to 7. A card is picked at random. What is the probability of picking:
- a.) A prime number.
- b.) An odd number.
- c.) 0.
- 13) To know about the liking of science as a subject, a survey of 200 students was conducted and data obtained is given below:
Liking – 125; Disliking—75.
Find the probability that a student chosen at random,
- a.) Does not like science as a subject.
- b.) Likes science as a subject.
- 14) Find the value:
- a.) $2\frac{1}{3} + 3\frac{1}{2} - 1\frac{1}{6}$
- b.) $\frac{11}{12} - \frac{6}{18}$
- 15) Each side of a square is $5\frac{2}{3}$ m. Find the area of the square.
- 16) A teacher takes 6 periods in a day. The duration of each period is $\frac{2}{3}$ hours. What is the total duration of 6 periods?
- 17) The product of two fractions is $13\frac{1}{4}$. If one of them is $5\frac{3}{4}$, find the other fraction.
- 18) A roll of cloth measures 60m. If $2\frac{1}{2}$ m of cloth are required to stitch a shirt, how many shirts can be stitched using this roll of cloth?
- 19) By how much should 32.67 be increased to get 60.1?
- 20) The cost of 15.5 litres of milk is Rs 395.25. Find the cost of 1 litre of milk. Also find the cost of 30 litres of milk.
- 21) By what number should $16\frac{2}{3}$ be divided to get 5?

22) $\frac{31}{41}$, when multiplied by 'x' gives the product as 1. Which fraction does x represent?

PROJECT

- 1.) Click 15 photographs from your surroundings that are symmetrical and draw their lines of symmetry.
- 2.) Make a wind chime using different solid shapes.