

② At school fair there are 3 booth selling different kinds of snacks. The ratio of no of sandwich to total number of cookies is 3:5 at Booth A. At Booth B the ratio of No of chips to no of ~~an~~ icecreams is 4:7. At booth C the ratio of no of cupcakes and pretzels is 2:3

- ① If there are 60 sandwiches is 60 what is the total no of cookies at Booth A.
- ② If Booth B has 28 chips, how many ice creams are there at Booth B
- ③ In Booth C if there are 25 ^{pretzels} ~~ice cream~~ How many ~~cupcakes~~ cupcakes are there,

16] Formula to find Probability

17] $-12 + 31 + 21 - 4 =$ _____

18] $-16 + 3 - 2 + 12 + 5 =$ _____

19] $A =$ _____

20] $T =$ _____

21] $R =$ _____

22] The money which is borrowed or invested is called as _____

23] _____ is a fraction with 100 as its denominator

24] A has no unit

25] Evaluate $3x^2 + (-4y^2) + 2x^2 - 8y^2$

26] $x = 13$, $y = 12$ find $x^3 + (-y)^2$

27] $x^a \times x^b =$ _____

28] $(x^a)^b =$ _____

29] $(x)^0 = 1$

30] $x^a \div x^b$ (when $a > b$) = _____

31] $6.25 \times 1.2 =$ _____

32] $34.19 \div 10 =$ _____

33] $\frac{4}{x} = \frac{3}{9}$, find x

34] Pythagoras theorem formula

35] Circumference of circle = _____ or _____

classmate
Date _____
Page _____

Maths objectives Revision.

1] m^n can be written in fractional form as

2] $2(y+2)=15$, find y

3] $6x+11=x+2$ find x

4] find the value of x

a] $3:5 :: x:25$

b] $x:27 :: 3:9$

5] Cost of 10 pens is 100. Find the cost of 7 such pens

6] Cost of 11 books is 165. Find the cost of 7 such books.

7] Write in fractions: a) 30% b) 98.6%

8] Express the decimals as percent a) 1.5

b) 32

c) 45

9] $CP = Rs 680$, $P = Rs 76$ find SP

$CP = Rs 720$, $L = Rs 32$ find SP

10] Value of $\pi =$ _____ or

11] Area between concentric circles formula

12] find supplementary angle of a) 150 b) 130

13] find complementary angle of a) 45 b) 60

14] Probability of sure events = _____

15] Probability of impossible events = _____

Case Study :

Sarah went to a book store and bought a book that was originally priced at Rs 40. The store was offering 20% discount. After buying the book Sarah also had to pay a 10% tax on the discount price.

- ① What was the discount on the book
- ② What is the price of book after the discount
- ③ How much tax did Sarah pay on the discounted price.

...surely happen) For example, if we
throw a ball upward, then it will certainly return
to the earth. (Such events are called **sure events** or
certain events.)
(The probability of sure events is always equal to 1.)
(The probability of impossible events is always equal to 0.)

Here the prob

classmate

Date _____

Page _____

5. Fill in the blanks.

1) What percent of 60 is 600? _____

2) Express the following percents as ratios.

a) $15\frac{1}{2}\%$ _____

3) Find number whose
12% is 60

classmate
Date _____
Page _____

7:8 If there are 35 boys how many girls are there in the class. If the total no of students are 100.

b) Solve for x

$$\frac{5}{x} = \frac{20}{40}$$

c) If the ratio of apples to oranges is 3:4
How many oranges are there if there are 18 apples. Total no of fruits = 40

3. At a school fair, there are 3 Booths selling different types of snacks. The ratio of no of candies and ice-cream at Booth A is 5:3. At Booth B, the ratio of number of chips to no of pretzels is 4:7. At Booth C the ratio of cupcakes and cookies is 3:2.

Total no of snacks at Booth A = 120

" " B = 180

" " C = 20*

- Q1 How many candies are there in Booth A?
Q2 At Booth C there are 50 cupcakes, find the number of cookies.

28/02/25

Case study sums

1. In a school, the principal is planning to renovate the play ground which consist of different sections that need to be measured for fencing and paving. There are two areas need to be calculated.

1) A ~~rectangle~~ rectangular soccer field

2) A circular basketball court To ensure accurate measurements the principal has asked the students to calculate perimeter and area of both sections.

★ Soccer field [Rectangle]

length = 80 m

breadth = 50 m

★ Basketball court [circle]

Radius = 20 m

- Q1. What is the perimeter of soccer field? ²⁶⁰
- Q2. What is the area of soccer field? ⁸⁰⁰⁰
- Q3. What is the area of basketball court?

2. Answer the following.

Q] The ratio of boys to girls in a class is