



MATHEMATICES

Sol. 1 required no. = $7236 \times 56 = 405216$
 New number = $7236 \times 65 = 470340$
 Required difference = $470340 - 405216 = 65124$

Sol. 2 let us take one angle of triangle to be 90° other two equal angles be 45° each then
 $90^\circ + 45^\circ + 45^\circ = 180^\circ$
 Its satisfies the angle sum property of triangle
 Option (a) is write condition

Sol. 3 lets L be the length ,B be the breadth of rectangle $L = 5+B$
 Perimeter = 50cm
 $2(l+b) = 50$
 $2(5+b+b) = 50$
 $2(5+2b) = 50$
 $10+4b = 50$
 $4b = 40$
 $B = 10$ cm
 $L = 10+5 = 15$ cm
 Required area = $l \times b = 10 \times 15 = 150$ cm²

Sol. 4 area of floor not carpeted = total area of floor – area of carpet
 $= (5 \times 4) - (3)^2 = 20 - 9 = 11$ m²

Sol. 5 7. Total students = 1000
 Students who do not ride the bus = $1000 - 330 = 670$
 Required percentage = $670/1000 \times 100 = 67\%$

Sol. 6 required other no. = $12.194/4.69 = 2.6$

Sol.7 the length of the rectamgle be $3x$
 Breadth of rectangle be $5x$
 Perimeter = $3200/2 = 1600$ m
 $2(3x+5x) = 1600$
 $16x = 1600, x = 100$
 Area of lawn = $3x \times 5x = 15x^2$
 $= 15(100)^2 = 150000$ m²
 Cost of developing the lawn = Rs. $10 \times 150000 =$ Rs. 1500000

Sol. 8 (b) $2+8=10, 5+9=14, 10+8=18, 14+9=23$
 $18+8=26, 23+9=32, 26+8=34$

Sol.9 let the rate of interest be $r\%$ per annum
 Simple interest = Rs. $(7800 - 6000) =$ Rs. 1800
 $SI = \frac{prt}{100}$
 $1800 = \frac{6000 \times r \times 5}{100}$
 $R = \frac{1800 \times 100}{6000 \times 5} = 6\%$

Sol. 10 length of train = 100m
 Length of platform = 150m
 Speed = 60km/h
 $60 \times 5/18 = 50/3$ m/s
 Required time = $(100+150)/50/3 = 250 \times 3/50 = 15$ s

Sol. 11 let the HCF of x
 LCM of 28x
 Now, $x+28x = 1740$
 $29x = 1740$

$X = 1740/29 = 60$
 HCF = 60 , LCM = $28 \times 60 = 1680$
 Required other no. = $60 \times 1680/240 = 420$

Sol. 12 LCM. $(18, 21, 24) = 504$
 $18 - 7 = 11$
 $21 - 10 = 11$
 $24 - 13 = 11$
 The required no. = $504k + 11$
 $K = 6$ satisfies the option (b) = $504(4) - 11 = 3024 - 11 = 3013$

Sol. 13 increase in total weight = $6 \times 5 = 30$ kg
 Weight of the new boy = $30 + 20 = 50$ kg

Sol. 14 the length of the garden = $300/5 = 60$ m

Sol. 15 let the no be x
 Seconed no. is $x+36$
 $X+x+36=48$
 $2x+36=48$
 $2x=12$
 $X=6$
 First no. $x = 6$
 Seconed no. = $6+36 = 42$

REASONING

Sol. 16 accept book all oter are same

Sol .17 (b)

Sol. 18 no. of boys in class = position of boys
 From beginning + position of boys from ends -1
 $19+19-1 = 37$

Sol. 19 BANK provide LOANS

Sol. 20 in place of NORTH-WEST , there will be SOUTH-WEST

Sol. 21 (c)

Sol. 22 except STUDENT all other are professions.

Sol. 23 $12 \div 6 - 3 \times 2 + 8$
 $= 2 - 3 \times 2 + 8 = 2 - 6 + 8 = 10 - 6 = 4$

Sol. 24 nitin ranks from the last
 = total students – rank from top +1 = $49 - 18 + 1 = 32$

Sol. 25 $6+5=11, 11+10=21,$
 $21+15=36, 36+20=56, 56+25=81$

Sol. 26 (b) $19 \times 2 - 1 = 37$
 $26 \times 2 - 1 = 51$

Sol. 27 X is the grandson of Y

Sol .28 area of rect. = 48 m³
 $L = 6$ M
 $B = X$ m
 Area of rect. = $l \times b = 48 = 6 \times X$
 $X = 8$

Sol. 29 $M+2=O, B+2=D, S+2=U$
 $B+2=D, R+2=T, L+2=N$

SOL. 30 except PEEL all other are the cooking method.

ENGLISH

Sol. 31 (c)
 Sol. 32 (a)
 Sol. 33 (d)
 Sol. 34 (b)



MD CLASSES

Solution Scholarship Test PR sat 2 , Feb 27,2022

- Sol. 35 (a)
- Sol. 36 (d)
- Sol. 37 (b)
- Sol. 38 (d)
- Sol. 39 (a)
- Sol. 40(b)
- Sol. 41 (c)
- Sol. 42(d)
- Sol.43(c)
- Sol. 44(a)
- Sol.45(a)

Science

- Sol. 46 (b)
- Sol 47(b)
- Sol. 48(c)
- Sol. 49 (a)
- Sol. 50(d)
- Sol. 51 (d)
- Sol. 52(d)
- Sol. 53(a)
- Sol.54(a)
- Sol.55(b)
- Sol. 56(c)
- Sol.57(a)
- Sol.58(a)
- Sol.59(b)
- Sol.60(d)