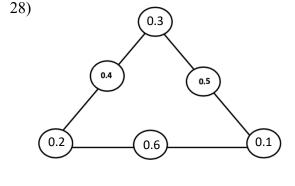
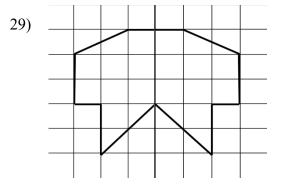
SECTION 1

1) 65,212.7<u>9</u> = $\frac{9}{100}$ 2) Composite Numbers = 4, 6, 8, 94 + 6 = 103) 16.3 + 7.2523.55 4) 3^{+3} , 2^{+2} , 6^{+3} , 9^{+3} , 6^{+2} , 12 = 95) $9^2 - \sqrt{196} = 81 - 14 = 67$ 6) $\frac{12 \div 6}{36 \div 6} = \frac{b}{6}$, b = 2 7) $96 \div 7 = 13$ gifts 8) c, b 9) $1 \times \$50 = \50.00 $6 \times \$20 = \120.00 $3 \times \$5 = \$ 15.00$ $3 \times .25 = .75$ \$1<u>85.75</u> 10) 53<u>3</u> + <u>669</u> 1202 11) 3.5cm \approx 4cm $12)\frac{5}{8}$ 13) .750 kg (750g) 1.020 kg <u>.910 kg (910g)</u> 2.680 kg

14) 31st January 15) $16)\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$ 17) 8 sides \times 8 = 64cm 18) 12 - 8 = 4 more students 19) $8 \times 4 = 32$ ice-creams 42 - 32 = 10 $10 \div 4 = 2 \frac{1}{2} = \forall \forall$ 20) Nickelodeon **SECTION 2** 21) $6\frac{3}{4} \times 3\frac{3}{5} = \frac{27}{4} \times \frac{18}{5} = \frac{243}{10} = 24\frac{3}{10}$ 22) 1 - 2722) $\frac{1}{3} = 27$ $\therefore \frac{3}{3} = 27 \times 3 = 81$ N + 59 = 81 N = 81 - 59 = 22 23) $55\% = \frac{55}{100} = \frac{11}{20}$ $\frac{11}{20} = 110$ $\frac{20}{11} \times \frac{110}{1} = 200$

- 24) Walked = 1.05 km Cycled = + 2.350 km (2,350m) Total Covered = $_{-}$ 3.400 km Triathlon Course = 5.500 kmSubtract Walked + Cycled = -3.400 km = 2.100 kmRan 25) Discount = 25%100% - 25% = 75%Sale Price $=\frac{75}{100} \times \frac{475}{1} = 356.25 26) Factory A = 150 computers per day Factory B = 150 + 70= 220 computers per day Total Produced = 150 + 220= 370 computers per day Amount of Computers Produced = 4,070 \therefore No. of Days to Produce = 4,070 \div 370 = 11 days
- 27) Allan = $3 \times $65 = 195 Peter = $$270 \div 45 = 6$ Days Keith = $$630 \div 9 = 70 per day





30) Pumpkin = $2050g \div 1000$ = 2.050kg ≈ 2 kg

31) S.I. =
$$\frac{P \times R \times T}{100} = \frac{\$12,000 \times 12 \times 4}{100} = \$5,760$$

Amt. To Repay = \$12,000 + \$5,760= \$17,760Monthly Instal. = $$17,760 \div 48$ = \$370.00

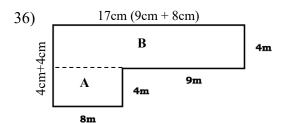
- 32) Mean = 63 Total = 63 \times 4 innings = 252 runs New Mean = 63 + 3 = 66 New Total = 66 \times 5 innings = 330 runs 6th Inning = 0 runs New Mean = 330 \div 6 innings = 55 runs
- 33) Divide \$18.50 by 5 to get \$3.70 as the Cost of 1 orange at Vendor A. Divide \$33 By 12 to get \$2.75 as the cost of 1 orange At Vendor B. When you compare answers, Vendor B has the better offer.

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34) Suresh's Time = 16.9-0.3 = 16.6 seconds
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The times are arranged from the shortest To the longest. The runner with the shortest time completed the race the fastest. That runner would place first. Suresh therefore came first.

35) One Cube has 12 edges needed to make The frame.

Larger Cube = $12 \text{ edges} \times 8 \text{cm} = 96 \text{cm}$ 156 cm - 96 cm = 60 cmSmaller Cube = $60 \text{cm} \div 12 \text{ edges}$ = 5 cm length of edge



Area of A = $800 \text{cm} \times 400 \text{cm}$ = $320,000 \text{cm}^2$ Area of B = 1700×400 = $680,000 \text{m}^2$ Total Area of floor = $1,000,000 \text{m}^2$

Area of tile = $20 \times 20 = 400 \text{ cm}^2$ No. of tiles needed = $\frac{1,000,000}{400} = 2,500$ Cost of Tiles = $2,500 \times \$9 = \$22,500$ Total Cost = \$22,500 Tiles $\frac{\$ 2,000}{\$24,500}$ + Labour

37) 37 Poles = 36 Spaces on a straight line Space between Poles = 5m
∴ Distance of road = 36 space × 5m = 180m

38) 15 horses = 30 days food
∴ 1 horse = 30 × 15 = 450 days food
6 horses = 450 ÷ 6 = 75 days of food.

39) Mean needed = 90 Total Score needed = 90 \times 4 Test = 360 marks Marks made = 85 + 90 + 88 = 263 marks Mark needed for Science = 360 - 263 = 97 marks 40) -One has no 90° angles -One has 4-90° angles

> -One has 1 line of symmetry -One has 4 lines of symmetry

-One has 1 pair of parallel sides -One has 2 pairs of parallel sides

-One has 2 equal sides -One has 4 equal sides

SECTION 3

41) 15 Litres = $15 \times 1,000 = 15,000 \text{ cm}^3$ \therefore Height = $\frac{15,000}{1,500}$ / Volume \div (L × W) = 10cm Height of water = $\frac{3}{5} \times \frac{10}{1} = 6 \text{ cm}$ $\frac{3}{5}$ filled = $\frac{3}{5} \times \frac{15,000}{1} = 9,000 \text{ cm}^3$ \therefore Water needed to fill container = $15,000 - 9000 = 6,000 \text{ cm}^3$

42) Mangoes in bag = 600 Tom = $30\% = \frac{30}{100} = \frac{3}{10} \times \frac{600}{1}$ = 180 mangoes Mangoes Left = 600 - 180 = 420Jack received = $0.4 = \frac{4}{10} \times \frac{420}{1}$ = 168 mangoes Mangoes Left = 420 - 168 = 252Heaps Made = $252 \div 6 = 42$ Cost per heap = \$15 \therefore Money Made = \$15 $\times 42 = 630

43) No. of Rect. Faces = 3 No. of Triangular Faces = 2No. of Edges = 9 No. of Vertices = 6

3 edges measure 60cm

44) The pattern follows that each new line Added has 1 more marble then the last Line of the previous pattern.

4 th	5^{th}	6 th	7^{th}	8 th
15	15+6	21+7	28 + 8	36+9
	21	28	36	45
45) Wed: 50 Tables Fri. 40 Tables $\times 6$ 240 ÷ 6 300 Chairs 240 Chairs				
Mean No. of Tables				
$= 10 + 25 + 50 + 30 + 40 = 155 \div 5 = 31$ Mean No. of Chairs				
$= 60 + 150 + 300 + 180 + 240 = 930 \div 5$				

60 + 150 + 300 + 180 + 240= 186

Difference = 186 - 31 = 155