JUST RIGHT! PRACTICE BOOKLET
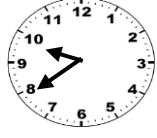
TEST 1 MATHEMATICS

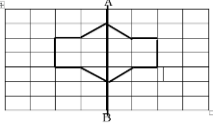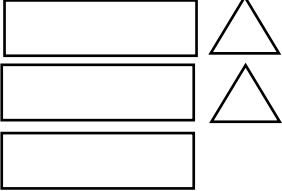|			
1. 7 240 082	2. $6543, 6232, 6123, 6012$	3. 48.8	4. tens of thousands
5. $\frac{6}{13}$	6. $\frac{1}{2}$	7. $\frac{1}{3}$ x 120 = $ 40	8. 0.07
9. 24 x 25 = 600	10. 2056	11. 12 x 10000 = 12 000g 12000 + 205 = 12 205g	12. Unshaded= 12cm^2 Shaded = 6cm^2 Difference= 6cm^2

13. Blocks in A = 28
    Blocks in B = 30
    Blocks in C = 32
    Prism C has the
    greatest volume.
	14. 2.6m x 3 = 7.8m	15. ¼ turn clockwise or
		¾ turn anti-clockwise
			16. triangular prism

17. CD or EF	18. 156cm	19. 17 + 8 = 25
		     35 – 25 = 10
		    ⱠⱠⱠⱠ ⱠⱠⱠⱠ
			20. 70 – 25 = 45

21. 4 + 5 = 9
   $\frac{2}{3} + \frac{1}{6} = \frac{4}{6} + \frac{1}{6} = \frac{5}{6}$
 	
   $9 + \frac{5}{6} = 9\frac{5}{6}$
	22. 12 x 3 = 36
	        15 x 5 = 75
	        36 + 75 = 111
	        200- 111 =89 chairs
		23.
		   $\frac{2}{5} + \frac{3}{10} = \frac{7}{10}$
		
		   $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$
			24.
			(a) 6th pattern = 36 blocks shaded
			(b)8 x 8 = 64 blocks

25.
A = $\frac{1}{2}$ B = $\frac{2}{3}$ C = $\frac{5}{6}$
 	
Difference = $\frac{5}{6} - \frac{1}{2} = \frac{1}{3}$
	26. 150 – 39 = 111
	    111 ÷ 3 = 37
	Blue cars = 37 x 2 = 74
	Red = 37
		27. 12 more soft drinks
		= 12 x 10 = $120
		$1225 - $120 = $1105
		   $7 + $10 = $17
		   $1105 ÷ 17 = 65
		Total soft drinks sold
		   = 65 + 12 = 77
			28. $\frac{25 \times 700}{100}$ = $175
			   $700-$175 =$525

29. Brandon $3.50 for $\frac{1}{4}$ kg. Therefore $\frac{1}{2}$ kg = $3.50 x 2 =$7.00 Shania sells $\frac{1}{2}$ kg for $4.00 Shania is selling potatoes cheaper.	30. Perimeter of rectangle = 36cm Perimeter of square = 32cm Difference = 36 – 32 = 4cm	31. Total Volume of the completed solid =48cm^3 48 – 27 = 21 more cubes needed	32. 1 hour = 60 minutes In 3hrs – ran =15x9=135 In 3hrs –walk = 9x5=45 135-45 = 90

33. The parallelograms have opposite sides equal and parallel while the kite does not have parallel sides. b)They are all 4- sided figures.	34. Flip of the incomplete shape.	35. The total for India is 640. 640 divided by 4 gives an average of 160 runs.The total for Australia is 844. When divided by 4 the average is 211 runs.Therefore, Australia performed better.	36. 13 + 18 + 20 + 13 = 64 64 ÷ 4 = 16

37. Brother = $\frac{1}{3}$ x 540 = 180   Remainder = 540 – 180 = 360
 	
Sold = $\frac{1}{8}$ x 360 =45
360 – 45 = 315   315 – 6 rotten =309
 	
309 ÷ 3 = 103   Reanna = 103 x 2 = 206
	38. (a)Area of outer square
	= s x s = 12 x 12 = 144cm^2
	Area of inside square
	= $\frac{1}{4}$ x 144 = 36cm^2
	Area not covered by the squares
	=144-36=108cm^2
	(b)Perimeter of outer square = 12 x 4 = 48cm
	Perimeter of the inside square = 6 x 4 = 24 cm
	Difference = 48 -24
	= <u>24cm</u>.
		39.Cuboid
		    Square based pyramid
		    Triangular based pyramid
		    Triangular prism
			40.
			(a)School 3
			(b)85-55=30
			(c)95

TEST 2 MATHEMATICS

1.Fourteen thousand, three hundred and twenty-six dollars and seventy-five cents	2. 67	3. <	4. 480
5. 9	6. 301	7. 180	8. 77.77
9. $300-$230=$70	10. Two wholes and one quarter. Shape can be circles/ squares/ rectangles	11. litres	12.
13. 4cm	14. 18450g	15. Octagon	16. triangular based pyramid
17. North West	18. Tally for 11	19. 37	20. Thursday
21. $\frac{1}{5}$ = 20% =0.2 40% = 0.4 0.2 + 0.4 = 0.6 1 – 0.6 = 0.4	22. $\frac{1}{4}$ =25% 75% 0.5 = 50% $\frac{3}{5}$ = 60% Descending Order =75%, $\frac{3}{5}$, 0.5, $\frac{1}{4}$	23. $\frac{3}{5}$ = $2500 Rem.= $2500 -$1500 =$1000	24. Stove = $\frac{1}{3}$ x 4500=1500 Refrigerator= $\frac{25}{100}$ x 6000 =1500 Total discount =$3000

25. Moses can distribute the 8. For example: (17 x 5) + (17x 3)	26. 20 blocks =20x1.5=30m 19 spaces = 19 x 2 = 38m Distance = 68m	27. Paul = 14 Kyle = 14 + 12 = 26 Ryan = 26 -6 = 20 20x 2 = 40	28. Day 1 = X Day 2 = X + 1150 Day 3= X +1150+1150 15000 − 3450 = 11 550 x = 11550 /3 = 3850 Day 3 = 3850 + 2300= 6150
29. 1 square = 200 ÷ 8 = 25 cm^2 S = 5 cm P = 16 x 5 = 80 cm	30. 1 day = 3 x 10 = 30 ml 7 days = 30x 7 = 210ml ¼ = 250 ml Rem = 250 – 210 = 40ml	31. Base= 5x 4= 20 Full = 20 x 3 = 60 Half full = 60 ÷ 2 = 30	32. 1164 g ÷ 3 =388g
33.	34.	35. 4 tests= 82x 4 = 328 5 tests = 85 x 5= 425 Must score = 425- 328 = 97	36. Mode = 3 Percentage = $\frac{36}{144}$ x 100 = 25%
37. Total = 720 Children = 75% Adults = 25% Boys = twice as many girls = 50% Girls = 25% Men = $\frac{1}{5}$ x 25 = 5% Ladies = 20% $\frac{20}{100}$ x 720 = 144	38. 7x 275 =1925 2.5l = 2500 ml 2500- 1925 = 575 ml 575 ÷275 = 2 R25 2 full glasses b) 25 ml remaining	39. cone, square based pyramid, triangular prism,cuboid	40. a)Total present= 72x 4= 288 Girls = 288 – (96+ 60 + 48) = 84 b) $\frac{96}{288}$ x 100 = 33$\frac{1}{3}$ %

TEST 3 MATHEMATICS

1.tens	2. 80 400.05	3. $\frac{37}{5}$	4. $\frac{13}{20}$
5. $\frac{12}{60}$ x100 = 20%	6. $\frac{3}{8}$	7. 64-9 = 55	8. $\frac{2}{5}$ x 40 = $16
9. $1200 + $300 =$1500	10. $\frac{1}{8}$ x 24 = 3 8 bags of 3 sweets	11. 3hrs=3x60=180mins $\frac{3}{5}$ x 60 = 36mins 180+36= 216mins	12. 5cm
13. $\frac{3600}{200}$ = 18	14. 8cm^3	15. triangular based pyramid	16. 5
17. B	18. 4	19. Tally for 8	20. 15 + 5 = 20
21. 128 − 16 = 112 112 ÷ 2 = 56 56 + 16 =72 plums	22. ¼ = 2/8 2/8 + 3/8 = 5/8 Saved = 1 - 5/8 = 3/8	23. 0.6	24. I bag = 24x 8= 192 1box= 192 x6= 1152
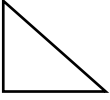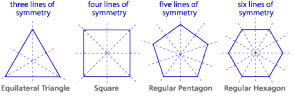
25. 15 x 3 = 45 to seat =125 – 45= 80 No. of T = 80 ÷ 4 = 20	26. Sus. = 3 dolls,3 iPad 3bicycles and $12 150-$6 450 = $5700 more than Linda. 3 dolls, 3 iPad and 3 bicycles = $5700. Cost of 1 doll, 1 iPad and 1 bicycle = $5700 ÷ 3 = $1900	27. 735 is approximately 700. 29 is approximately 30. 700 x 30 =2100 The correct estimation is 2100 and not 1600 that Jason estimated.	28. No. of heaps = 96 ÷12 = 8 No. of mangoes = 8x7 = 56
29. 10: 55 + 3:45 + 20mins = 3:00 pm	30. 7.5 kg = 7500 g 7500 ÷ 250 = 30 pieces	31. 2cm x 2cm =4cm^2 1 face =4 x 4 =16cm^2 6 faces = 16 x 6 =96cm^2	32. 5600 – 3450= 2150 = 2.15km
33. Daniel is correct. There are 8 equal sides but 4 pairs of parallel sides in a regular octagon.	34. 1 square and 4 triangles	35.Total = 36x5= $180 Friday = 180- (34+ 23+ 38 + 29) = $56	36. $\frac{2}{3}$ =36 Whole =54 $\frac{1}{3}$ x 54 = 1 8 pupils Draw 9 pictures
37. Monday = 20% = 1/5 Remainder = 80% = 4/5 Tuesday ¾ of 4/5 = 12/20= 3/5 Sold 1/5 +3/5 = 4/5 Remained with 1/5 = 80 oranges Total = 5/1 x 80 = 400 oranges No. sold on Tuesday= 3/5 x 400 = 240	38. Javon arrived to work 8:00 – 12mins = 7:48 Javon walked and travelled 10 + 25 = 35 minutes Javon left home 7:48 – 35mins= 7:13 Kevin left home 7:13 – 8mins = 7:05 a.m.	39. 	40. a)1/3 = 800 3/1x 800 =$ 2400 b) Savings = 2400 - (800 + 300 + 500)= $800 c) 12 ½ % = 1/8 1/8 x 2400 = 300 =Entertainment

TEST 4 MATHEMATICS
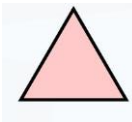
1. 2368	2.0.3	3. 30	4. $\frac{1}{4}$, $\frac{7}{16}$, $\frac{5}{8}$
5. 18.13	6. 0.04 x 100 = 4%	7. 68 x 25 = 1700	8. $\frac{5}{8}$
9. 11x 11 = 121	10. $8.50	11.40 minutes	12.metres
13. 3.06x1000=3060	14. 18cm^2	15. 1 line vertically	16. cone
17. 4	18. Purple	19. 22 x 4 = 88 88 x $5 =$440	20. ~~1111~~ 1111

21. 60 guests =60 x 2 =120 slices No. of pizzas = 120 ÷12 = 10	22. Prime numbers between 20 and 40 = 23,29,31,37, Square numbers between 20 and 40 = 25, 36, Prime number+2 = square number is 23	23. $\frac{1}{2}$ x 72 = 36 Remainder=72-36=36 Gary=$\frac{1}{3}$ x 36=12 36+12=48 72-48=24	24. March to July = 5 months Saved= 5 x $1200 = $6000 Needs = $6585- $6000 = $ 585
25. 272+14=286 286÷12 = 23 r 10 = 24	26. 7 caramel = 7x5 =$35 $155 – $35 = $120 = the amount of money spent on EQUAL number of caramel and chubby Cost of (1 set)1 caramel +1 chubby = $8 Number of sets = 120/8 = 15 (15 caramel + 15 chubby) 15 chubby & 15 + 7 caramel = 21	27. 3 plates + 3 cups = $111 3 plates + 6 cups = $156 Difference=3 cups = $ 45 1 cup = 45÷3 = $15	28. Factors of 60= 1,2,3,4, 5,6 10,12, 15, 20, 30 and 60 Multiples of 5 = 5,10,15,20,25,30,35,40,45, 50,55, 60 Which factor – 2 is a multiple of 5 = 12
29. Used $\frac{7}{12}$ x 36 = 21kg Remainder = 36-21 = 15 kg = 15 000g No. of bags = 15000÷500 = 30 bags	30. 12.7 litres = 12700 ml 12700÷250 = 50.8 (50 completely full)	31. 1.25hr = 1 ¼ hr or 1 hr 15 minutes 7:15 +1:15 = 8:30	32. 2425cm+1705cm =4130cm =41.30m
33. Helen can form a triangular pyramid because it has 4 equilateral triangles as its faces.	34. Base and height must be 5 units.	35. 125+ 60+ 116+92 = 393 480- 393 = 87 $\frac{1}{8}$ x 480 = 60 Vendor B	36. 46x 4 = 184 57x 3 = 171 184- 171= 13
37. 1 ½ doz 3 x $5.50 = $16.50 6 cakes = 6÷4 x 61 =$91.50	38. Perimeter of rectangle = (25+15) x 2 = 80cm Perimeter of square = 80 x 2 = 160cm Side of square = 160/4 = 40cm Area of rectangle = 25x 15 = 375 cm^2 Area of square = 40 x 40 = 1600 cm^2 Greater by 1600 – 375= 1225cm^2	39.	40. (a) Hottest day = Sunday Difference = 34-29 = 5 (b)224 ÷ 7 = 32
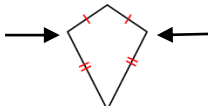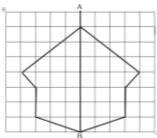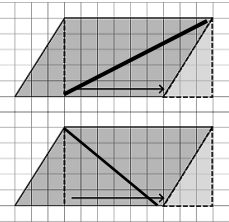
TEST 5 MATHEMATICS

1. 30 000	2. Shade 6 blocks	3. 8735	4. 73
5. 30	6. $\frac{4}{15}, \frac{17}{20}, \frac{9}{10}$	7. 2035	8. $2\frac{1}{5}$
9. $320	10. $16.25	11.8250m	12.Kilograms
13. 5cm	14. 12cm	15. Y,Z,X	16. parallel
17. Scalene	18. 144	19. 78 x 5 = 390	20.30-18=12
21. 2	22. Rhonda's working is correct. When you make equivalent fractions, $\frac{1}{3} = \frac{2}{6}$ .You multiply by 2 to get $\frac{2}{6}$. $\frac{5}{6} + \frac{2}{6} . = \frac{7}{6} = 1\frac{1}{6}$	23. $\frac{3}{8}$ x 640 = 240 $\frac{7}{16}$ x 640 =280 240 + 280 = 520 640-520 =120	24. (a)25 posts = 24 spaces 24 x 15 = 360m (b)600 ÷ 15 = 40 40 + 1 to start = 41
25. 12 + 96 = 108	26. Multiples of 10 between 50 and 100 + 5 = 65, 75, 85, 95 Multiples of 7 between 50 and 100 +1 = 57, 63, 73, 78, 85, 92, 99 Ans. = $85	27. 5 years ago mother was 37 – 5 = 32 Karen was 1/8 x 32 = 4 Karen is 4+5 = 9 years	28. Adding multiples of 2 beginning with 4. 2 + 4 = 6 6 + 6 = 12 12 + 8 = 20 20 + 10 = 30 5th pattern will have 30 balls.
29. 2350m+1070m +5000m =8420m 8420÷1000 =8.42km	30. Length of 1 side = 8cm Perimeter = 8cm x 8cm =64cm	31. 60g x 5 =300g 300g x 8 =2400g 2400g ÷1000=2.4kg	32. 5:30 to 8:30=3 hours 3 x 5 = 15 minutes lost 8:30 – 15 mins =8:15p.m.
33. Circle and triangle	34. 8 vertices, triangular prism, 8 edges	35. Total marks=375 375÷5 = 75 80 x 5 = 400 400-375 = 25 marks	36. There are 2 modes 43 and 44 because both numbers appear twice in the set of data. A set of numbers can have more than one mode.
37 a) 1 day = 5 x 2 = $10 30÷10 = 3 days b) (April has 30 days) Late fee charged for 29th, 30th and 1st Deadline = 28th	38. (a)1st race b)10.04-9.57=0.47 sec. c) As the races progressed, he ran slower.	39. The triangle is rotating quarter turn clockwise.	40.(a) Total = 3600 x 4 = $14 400 February 14 400 – 10 500 = $3 900 b) Total = 4000 x 5 = $20 000 May = $ 20 000 - $14 400 = $ 5 600

TEST 6 MATHEMATICS

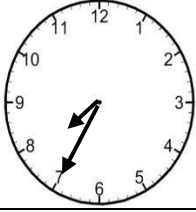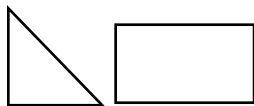|			
1. $\frac{1}{10}$	2. 0.7	3. $\frac{7}{8}$	4. $66\frac{2}{3}$ %
5. $7\frac{4}{7}$	6. 34.77	7. $3\frac{1}{4}$	8. 273
9. 5	10. 0.7	11. 1.51m	12. 24cm^2
13. 40 bottles	14. $8\frac{3}{4}$ hours	15.	16. rectangle
17. circle	18. ~~1111~~ 1111 = 9	19. 375 ÷ 5 = 75	20. Tuesday
21. $6\frac{9}{10} + 3\frac{2}{5}$ 6 + 3 = 9 $\frac{9}{10} + = \frac{2}{5} = 1\frac{3}{10}$ $9 + 1\frac{3}{10} = 10\frac{3}{10}$	22. $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$ $\frac{8}{3}$ x 90 = 240 $\frac{5}{8}$ x 240 = 150	23. 560 ÷ 36 = 15 Rem.20 =16 buses needed	24. 3.2 and 2.78
25. 5 and 3	26. 3 popcorn + 1 Ice-cream + 1 juice OR 1 popcorn + 1 ice-cream + 5 juice	27. 5kg = $12.60 1kg = 12.60 ÷ 5 = $2.52 20 kg = 20 x 2.52 = $50.40	28. 83 ÷ 8 = 10 rem 3 (a) 10 customers (b) 8-3=5
29. 40 + 15 + 20 = 75 8:30 – 75mins = 7:15a.m.	30. Area of rect. = LxB = 16cm x 9 cm = 144cm^2 Length of side of square = Square root of 144 = 12cm	31. The base = 6 cubes along the length and 4cubes along the width. 6 x 4 = 24 cubes stacked. The cuboid is 3 layers high. Therefore, the volume of the cuboid is 24 x 3 = 72cubes 72- 19 = 53 cubes	32. Alex weighs less by 4kg 23g.
33.	34. triangular prism, rectangular prism	35. 4+8+12+16+20+24 = 84 Mean = 84÷6 =14	36. Total = 18 30 – 18 = 7 Draw bar to 7

37. Women = $\frac{2}{5}$
 Men = $\frac{3}{20}$
 $\frac{2}{5} + \frac{3}{20} = \frac{11}{20}$
 $= \frac{9}{20}$ = 270
 $= \frac{20}{9}$ x270= 600
	38.
	 2 faces with an area of
	  6cm^2 (3cmx2cm)
	 2 faces with an area of
	  10cm^2 (5cmx2cm)
	 2 faces with and area of
	  15cm^2 (5cmx2cm)
	 Total area = 31cm^2
		39. Trapezium
		
		 (b)scalene triangles
		 (c) all sides unequal and all angles unequal.
			40. Total sales
			  = $6000 x 5= $ 30 000
			 Thursday
			  = 30 000 – 24 000
			  = $6 000
			 No. of cupcakes sold
			  = 30 000/6 = 5000

TEST 7 MATHEMATICS

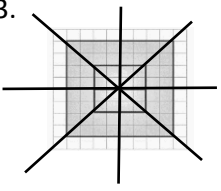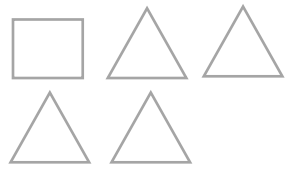|			
1. 5 300.21	2. 90	3. <	4. 20.25
5. $7\frac{1}{4}$	6.$2350	7. 368	8. $1\frac{1}{4}$
9. 1.3	10.409 + 108 = 517	11. 5cm	12. Long hand on 4, short hand after 8.
13.22cm	14.12 x 250ml =3000ml	15.2	16.cube,cuboid,cylinder, triangular prism
17.trapezium	18. 1̶1̶1̶1̶ 111 = 8	19.55 x 3 = 165 runs	20. 45 + 52 +30 + 65 +68 = 260 260 ÷ 5 = 52 = Tuesday
21. 21.09 – 12.12 = 8.97	22. 8 + (64-9) = 8 + 55 = 63	23. $1845 + $1845 = $ 3690	24. <u>1</u> x 520 = 65 8 520 – 65 = 455
25. : Box 1 = $\frac{1}{4}$ Box 5 = $2\frac{1}{2}$ + $\frac{3}{4}$ = $3\frac{1}{4}$ Pattern is formed by adding $\frac{3}{4}$	26. Absent = ¼ Present = ¾ Boys = ⅚ x ¾ = ⅝ ⅝ = 20 Find the whole =32	27. Aiden = 12 yrs Natasha= 12 +12 =24yrs Robert = 24-8 =16yrs Ken = 16 ÷ 2 =8yrs	28. Jeremy is correct. 64 is a square number- 8^2 = 8x8 =64 64 is also a cube number. 4^3=4x4x4 =64
29. Red tiles=6 Blue tiles = 4 6-4 = 2	30. <u>5000</u> 1250 = 4 days	31. 36 cubes – 9 cubes = 27 cubes	32. Shade to complete 8cm in length x 4cm wide
33. Parallel lines, perpendicular lines	34. The triangle is a scalene triangle which has no lines of symmetry.	35. Total = 82 x 4 = 328 85 x 5 = 425 425-328 = 97	36. 10 + 9 + 3 + 2 = 24 24 ÷ 4 = 6
37. 3x = 552 X = 552 ÷ 3 = 184 184 G 184 x 2 = 368 B ¼ of the girls are over 10 yrs = ¼ x 184 =46 184 – 46 = 138	38. Perimeter of Square A = 20 x 4 = 80 3 squares = 80 x 3 = 240 Perimeter of Square B = 10 x 4 = 40 4 squares = 40 x 5 = 200 Total = 240 +200 = 440cm Perimeter of Patterned shape = 180cm Difference = 440 – 180 = 260cm	39. Complete shape with correct shading. (Teachers' discretion)	40. (a)Total = 50 x 4 = 200 55 + 60 + 45 = 160 200- 160 = 40 (b) <u>40</u> x 100 = 20% 200

TEST 8 MATHEMATICS

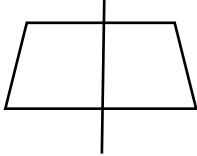|			
1. 30 000	2. 91-Add 5	3. $\frac{2}{100}$	4. 1095-225=870
5. 502 x 45 = 22 590	6.23 x 9 = 207	7. $\frac{5}{6}$	8. $\frac{75}{100}$ x 3000 =2250ml
9. 25 + 121 =146 146 ÷ 2 =73	10. 9407	11. 3.2cm	12. 45cm^3.
13. 7:40	14. 125 x 7 =875 125 x 3 =375 X = 875 − 375 =500g = ½ kg	15. cube	16.Circle T
17.Cuboid	18. 40	19. 18-7 = 11	20. Total = 72 x 6 = 432 run.

21. $4\frac{7}{8}$	22. Marlon = 155 − 47
	           = $ 108
	  Total = 155 +108 =$263
		23. 1.8 + 2.2 = 4	24. $\frac{60 \times 5}{100}$ = 3
			 3 − 1 = 2 more parts

25. 2400 − 700 = 1700
      1700 ÷ 2 = 850
Joy =700 + 850 = $1550
Jenny = 850
Joy = $\frac{4}{10}$ x 1550 = $620
$1550-$520=$930
	26. 14 guppies x 5 = $70
	     $250 − $70 = $180
	       180 ÷ 20 = 9
	9 guppies+ 14guppies=23
		27. Saleem =30
		 Anita = 30+36 =66
		 Brenda =66-18 =48
		 Leroy = 48÷2 =24
			28. Spent = $\frac{1}{8}$
			Remainder= $\frac{7}{8}$
			Saved = $\frac{1}{2}$ x $\frac{7}{8}$ = $\frac{7}{16}$
			$\frac{1}{8}$ + $\frac{7}{16}$ = $\frac{9}{16}$
			Remaining = $\frac{7}{16}$
			$\frac{16}{7}$ x 35 =$80

29. 4 x 4 = 16cm^2
16 x 4 = 64cm^2
152-64 =88cm^2
	30. No.of cubes
	=20 x 5=100
	¼ x 100 = 25
	100-25 = 75cubes
		31. 350 + 425 + 382 =
		        1157cm
		3000-1157 = 1843cm
		       = 18m 43cm
			32.
			hrs mins
			 6 45
			       30
			       20
			 7 35

33. Trapezium	34. Opposite sides equal and parallel. No lines of symmetry.	35. Total for Tyrique
		   = 75 x 6 =450
		Gyasi =82 x 6 = 492
		     492-450 = 42
			36. 60 x 5 = 300
			52+40+45+53+65 = 255
			    300 − 255 = 45

37. Chidren= $\frac{4}{5}$ x 200
      =160
 Remainder= 200-160
        = 40
Cousins= $\frac{7}{10}$ x 40 = 28
 Kept =40-28 =12
 	
 Percentage kept =
 $\frac{12}{200}$ x 100 =6%
	38. Total = 450cm x 4
	 = 1800cm
	String A and B = 460 x 2
	 = 920
	1800 − 920 = 880cm
	   (string C and D)
	880 ÷ 4 = 220cm
	String C =220 x 3 = 660cm
		39. Differences: The triangular prism has 9 edges, 5 faces and 6 vertices while the rectangular prism has 12 edges, 6 faces and 8 vertices.	40. Total = 40 x 4 = 160
			    34 + 25 + 37 = 96
			     160 − 96 = 64
			     $\frac{64}{160}$ x 100 = 40%

TEST 9 MATHEMATICS

1. 37	2. $6\frac{5}{9}$	3. 528	4. 50
5. (5x100)+(1x10)+(0x1)+ $(5x\frac{1}{10}$) + (5 x $\frac{1}{100}$)	6.$176	7. 0.41	8. 73
9. $\frac{7}{8}$	10. 8.04, 8.40, 8.44	11. 1.850ml	12. 6:30
13. 16.5cm^2	14. 115g	15. cube and cuboid	16. ½ turn clockwise
17. triangular based-pyramid	18. 41 runs	19. yellow	20. 21-17 = 4
21. $\frac{1}{2}$ + $\frac{3}{4}$ = $1\frac{1}{4}$ $1\frac{1}{4}$ ÷ 2 = $\frac{5}{8}$	22.20students= 19 spaces 19 x 2.5 =47.5m	23. $\frac{2}{5}$ = 68 $\frac{5}{2}$ x 68 = 170 $\frac{3}{10}$ x 170 = 51	24. 9 apples cost $22.50 1 apple = $22.50 ÷ 9 = $2.50 12 apples = $2.50 x 12 = $30
25. 530 – 284 = 246 3x = 246 x = 246 ÷ 3 = 82 Boys = 82 x 2 = 164 Girls = 82	26. Square numbers were used in the pattern. 1^2 equals 1 box, 2^2 equals 4 boxes, 3^2 equals 9 boxes, 4^2 equals 16 boxes, 5^2 equals 25 boxes and 6^2 equals 36 boxes.	27. $\frac{25 \times 3550}{100}$ = $887.50 $3550 - $887.50 = $2662.50	28. 35 + 35 = 70 questions 100% = 70 questions 1% = $\frac{70}{100}$ 80 % = $\frac{70}{100}$ x 80 = 56 56- 27 = 29 questions
29. Sammy is correct. Each figure has a volume of 6cm^3. The models are arranged differently but the number of cubes remains the same therefore the volume is the same.	30. 4:15 + 2hrs 50mins + 15mins = 7:20 Long hand on 4, short hand after 7.	31. 16m = 16 x 100 =1600cm 1600cm – 64cm = 1536cm 40cm + 24cm = 64cm 1536 ÷ 64 = 24 pieces	32.25000 + 215 = 22 215 g $\frac{22\ 215}{15}$ = 1681 g =1.681kg
33.	34.	35. 65 x 5 = 325 70 x 6 = 420 420 – 325 = 95	36. Total = 30 x 5 = 150 23 + 20 + 31 + 55 = 129 150-129 = 21 Total = 28 x 6 = 168
37. Infants to Standard 3 = 135 Standard 4 & 5 = 276 – 135 = 141 141 ÷ 3 = 47 –STD 5 Standard 4 = 47 x 2 = 94	38. 25 apples were given free 25 customers bought 3 apples = 25 x 3 = 75 75apples x 4 = $300 $500 - $300 = $200 $200 ÷ 4 = 50	39. Connect the dots to form a parallelogram. 	40. Total km =10 x 4 = 40 5 + 5 + 20 = 30 40 – 30 = 10 for Olivia (b)Natalie because she covered the most number of km during her practice for the marathon (20 km compared to Olivia with 10 km and Joy and Flourence with 5 miles km.

TEST 10 MATHEMATICS

1. 575 052	2. $\frac{3}{4}$	3. 63.6	4. 37.5%
5. 4	6. 2.36	7. $845	8. 96
9. 3 bills	10. 25	11. 15cm	12. 8:20
13. 900g	14. 10th December,2022	15. 3	16. 4 lines
17. 8	18. 30 pupils	19. 5	20. Janice
21. 38.45,83.54.123.9, 132.09	22. 796 + 384 = 1180	23. $\frac{1}{3} + \frac{5}{12} = \frac{9}{12} = \frac{3}{4}$ $\frac{4}{4} - \frac{3}{4} = \frac{1}{4}$ Whole= $\frac{4}{1}$ x 120 =$480	24. $19 ÷2 = $9.50 $7, $35
25. 7^2 = 1+3+5+7+9+11+13	26. 480÷20 =24 24 + 1 = 25	27. 3x + 96 = 210 3x = 210-96=114 X =114 ÷ 3 =38 Ruby =38 Lance=36+38 = 74 Simeon= 24+36+38=98	28. 2 games won = 6points Games remaining = 6 Points remaining = 4 Drew = 4 x 1 = 4points Lost = 2 games
29. Area of rectangle = 6 x 4 = 24 cm^2 $\frac{2}{3}$ x 24 = 16cm^2 Side of square = 4cm	30. 9:10 + 45mins=9:55 9:55 + 45min + 15mins = 10:55	31. 2.5m x 100 = 250cm 250cm-122cm=128cm	32. 3.08 kg = 3080g Randel= 32 465g Frank= 32 465 + 3080 =35 545g Total= 32 465 + 35 545 = 68 010g
33. South	34. Complete a rhombus	35. Total = 80 x4= 320 75x 3 = 225 320 - 225= 95	36. Television = 25/100 x 60 = 15(draw bar) Total appliance sold = 40 x 4= 160 Refrig. = 160 – (60+ 40 + 15) = 45 (draw bar)
37. 6 x 4 =$24 $124 - $24 = $100 $100 ÷ $10 = 10 Juice = 10 + 6 = 16 Chocolate=10 (b)16 x $ 4 = $64	38. Count the number of blocks at the base x the height in each to determine the volume. Figure 1=100cm^3 Figure 2=120cm^3 Figure 3 = 54cm^3 Greatest Volume=Figure 2	39. Trapezium with one line of symmetry. 	40. a)504/600 x 100 = 84% b) Grammar because she scored the least mark in this subject which is her weakest area.

TEST 11 MATHEMATICS

1. 2 210 040	2. 12.57, 12.60, 12.67, 12.70	3. 18	4. 28
5. 2X2X3X3	6. 1.5	7. Anna	8. 28

9. $\underline{15}$ x 420 = 63
   100
	10. 25c, 10c, 5c	11. 4.5 x 1000 =4500
		$\underline{4500}$ = 9
		  500
		9-1 = 8 more needed
			12. Friday 19th August, 2022

13. 5, 9, 13 , 17 – add 4 more --- 17cm^2	14. 12 250ml	15. 5 + 8 + 5 = 18	16. D
17. 2 quarter turns	18. Science	19. 264 runs	20. $325 + $285 + $200 + $150 = $ 960 960 ÷ 4 = $ 240

21.
Multiples of 5 = 5, 10, 15, 20, 25,30,35
Multiples of 6 = 6,12,18 24,30,36
 Common Multiple = 30
	22. $\frac{2}{3}$ x 450 = 300
	300 ÷ 3 = 100
	100 x $20 = $2000
		23. 72 – 10 = 62
		         62 ÷ 2 = 31
			24. $8\frac{3}{4}$ - $5\frac{7}{8}$
			   8 – 5 = 3
			$\frac{3}{4}$ - $\frac{7}{8}$ = $\frac{6}{8}$ - $\frac{7}{8}$
			$\frac{14}{8}$ - $\frac{7}{8}$ = $\frac{7}{8}$
			2 + $\frac{7}{8}$ = $2\frac{7}{8}$

25. Composite Numbers between 1 and 20 : 4, 6, 8, 9,10, 12, 14, 15, 16, 18 These numbers have more that 2 factors. All the numbers are not even. 9 and 15 are odd numbers. The statement that all composite numbers are even is not correct.	26. $150 x 4 = $ 600 $1050 - $600 = $ 450 $ 450 ÷ $150 = 3 weeks	27. Teachers and cleaners = 10% = $\underline{10}$ x 300 = 30 100 Students = 300 – 30 = 270 students Girls = 90 Boys = 270 – 90 = 180 180 x 100 = 66$\frac{2}{3}$ %	28. 1 extra Jersery = $120 - $95 = 25 4 jerserys = $25 x 4 = $100 $120 - $100 = $20 for 2 pairs of shorts 1 pair = $20 ÷ 2 = $10
29. Correct time = 12:34 + 15mins = 12:49 12:49 + 1hr 45 mins = 2:34p.m.	30. Area of 1 square block = 2cm x 2cm = 4cm^2 Largest shape = 12 blocks x 4 = 48cm^2 Smallest shape = 6 blocks x 4 = 24cm^2 Difference = 48 – 24 = 24cm^2	31. $6\frac{2}{5}$ litres = 6000 + 400 = 6 400ml $\underline{6400}$ = 25 $\frac{3}{5}$ cartoons. 250 Answer: Justin needs to buy 26 cartoons	32. 5kg = 5000g 5000g – 600g = 4 400g 4 400 ÷ 4 = 1100 g
33. Parallelogram, scalene triangle, trapezium	34. 9	35. Total =7+3+7+5+3=25 $\underline{5}$ x 100 = 20% 100	36. Total = 12 x 6 = 72 72 + 12 = 84 84 ÷ 7 = 12

| 37.
(a)
2700 ÷ 3 = 900
Females = 900
Males =900 x 2=1800

(b)Males = 1800
Tobago Supporter
= 20 x 1800 = 360
  100
Trinidad Unions
= 1800 – 360 = 1440 | 38. 40m x 3 = 120m
<u>120</u> = 12 spaces
 10
12 spaces = 12 + 1 =13 posts
13 posts x $60 =$780 | 39. Equilateral triangle/Isosceles triangle/Right Angle triangle/Scalene triangle | 40. (a)Total = 44 x 4 = 176
  (b) 52 x 5 = 260
   260 – 176 = 84 runs |

TEST 12 MATHEMATICS

1. 40 000	2.Store 2	3. 35 000	4. 0.05
5. $3\frac{7}{10}$	6.13.1	7. 100 + 36 = 136	8. 0.25
9. 12 x 4 = 48 48 + 2 = 50	10. 6 bills	11. Long and exactly on 8, short hand close to 6.	12. 2.5 x 100 = 2 500 2 500 ÷ 500 = 5
13. Shade 8 x 8 blocks	14. 7 50 g	15. 2 lines	16. 8
17. triangular based-pyramid	18. 15 <s>1111</s> 111 – 8	19. 42	20.143

21. $8\frac{3}{4} + 10\frac{5}{8}$
  8 + 10 = 18
  $\frac{6}{8} + \frac{5}{8} = \frac{11}{8} = 1\frac{3}{8}$
  $18 + 1\frac{3}{8} = 19\frac{3}{8}$
	22. $\frac{1}{5}$ = 20%
	
	20% + 50% = 70%
	70% ÷ 2 = 35% = 0.35
		23. Two Prime Numbers greater than 25 but less than 36 = 29 and 31
		   29 + 31 = 60
			24. Multiples of 8 = 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96
			Answer: Omarion is correct because 40 and 80 are two multiples of 8 and 10 less than 100.

25. $\frac{1}{3}$ x 45 = $15
. $\frac{25}{100}$ x 96 = $24
  Total discount
  = $15 + $24 = $39
	26. 10 + (81 – 16)
	  = 10 + 65 = 75
		27. Carla = $675
		Reanna = $ 675 + $25
		  = $ 700
		 Michael = $700 - $65
		  = $ 635
		Total = 675 + 700 + 635
		  = $ 2010
			28. The pattern is formed by adding 3 dots. The fourth pattern will be 12 + 3 = 15 dots and the fifth pattern will be 15 + 3 = 18 dots.

29. 1 ¼ km = 1250 m
  1250 – 450 = 800m
	30. 8: 45 + 1: 45 = 10:30
	10:30+20mins = 10:50am
		31. Answer: The base of the cuboid has 4 cubes along the length and 3 cubes along the width. 4 x 3 = 12 cubes stacked. The cuboid is 5 layers high. Therefore, the volume of the cuboid is 12 x 5 = 60cm^3.	32. 100cm= 1m
			  50cm = 0.5m
			Area of 1 table = L x B
			 = 1m x 0.5m = 0.5m^2
			Area of 20 tables
			 = 0.5 x 20 = 10m^2

33. The cylinder has three faces, two edges and no vertices. The cone has two faces, one edge and one vertex.	34. Clock A –Long hand on 9 Clock B – Long hand on 6	35. 34 + 40 = 74 Mean = 74 – 25 = 49	36. Total = 10 x 5 =50 12 + 8 + 7 + 14 = 41 50 -41 = 9
37. Rent = $\frac{2}{10}$ x 12000 = $ 2400 Gas = $\frac{10}{100}$ x 12000 = $1200 Food & miscellanous = $\frac{1}{5}$ x 12 000 = $2400 Total = $ 2400 + $ 1200 + $ 2400 = $ 6000 Saved=$12 000 - $6000 = $ 6 000	38. Mass of the 4 bags = 9000 x 4 = 36000g Bag A & Bag B = 6000 x 2 = 12 000g Bag C & D = 36000 – 12000 = 24000g $\frac{24000}{4}$ = 6000g Bag C= 6000 x 3 = 18000g Bag D = 6000g	39. Trapezium 	40. Total = 64 x 5 = 320 68 + 80 + 52 = 200 320-200 = 120 $\frac{120}{2}$ = 60 marks