ped236 List of Questions

Latex formatted questions may not properly render

	Calculate the radius of a circle whose area is given as 3850cm2 40cm
	35 25
	35m 35cm
	A cylinder has a radius of 6cm and a height of 4cm. What is the area of the curved surface?
	1056cm2
	150.9cm2
	159m2
	15.9cm2
Q3	One of these is not conditions for congruency.
	SSS
	SAS
	AAA
	AAS
	Find the surface area of a right circular cone whose height is 7.2cm and slant height is 7.5cm.
	21cm2
	2.1cm2
	63.4cm2
	44.4cm2
	Calculate the volume of a cone given its length as 10cm and radius 6cm.
	301.7cm3
	8cm3 301.7cm2
	3000cm2
Q6	Solve for p in the equation $4p + 42 = 10p + 12$
	15
	10
Q 7	Solve for k in equation $11 = 9k $?? 16
\bigcirc	
	9
Q8	A rectangle is 4times as long as it is wide. If the perimeter of the rectangle is 50cm, find the length of

5cm20

the rectangle.

20cm2cm	
Q9 An arc AB subten minor sector. 8.4cm 8.4cm2 21.2cm2 2.52cm2	eds an angle of 600 at the centre of a circle of radius 4cm. Calculate the area of the
Q10 The angle of a se	ector of a circle is 252deg. Calculate the radius if the area of the sector is 35.2cm2
Q11 The length of an sector. 12cm2 10.5 10.5cm2 105cm2	arc bounding a sector of a circle of radius 3cm is 7cm, calculate the area of the
Q12 What is the coeff -7x2 -7 7 -1	ficient of x2 in equation $-7x2 + 6x + 10 = 0$
Q13 Evaluate 32.56 X 3114 31.14 311.4 31140	(9.563
Q14 What are the ang 30, 60, 90 60, 60, 60 45, 45, 60 45, 45, 90	gles of an iscoseles right angled triangle?
Q15 Evaluate 30/0.5	
Q16 Simplify (625)^5 25 125	7/ 4

525625
Q17 What is the sum of angles in a triangle? 360 0 105 0 180 180 0
Q18 Find the characteristics of 5678. 1 2 3 4
Q19 Round off 16.8077 to two decimal places. 16.808 16.8 16.81 16.807
Q20 Approximate 186.75 to 2 significant figures. 200 190 187 186
Q21 What is the total surface area of a cuboid of length 5cm, width 6cm and length 12cm? 360cm2 224cm2 324cm2 162cm2
Q22 What is the total surface area of a cube of side 5cm? 15.0cm2 150 25cm2 150cm2
Q23 What is the coefficient of x2 in equation -7x2 + 6x + 10 = 0 -7x2 -7 7 -1
Q24 The length of an arc bounding a sector of a circle of radius 3cm is 7cm, calculate the area of the sector. 12cm2 10.5 10.5cm2

○ 105cm2
Q25 The angle of a sector of a circle is 2950. Calculate the radius if the area of the sector is 35.2cm2 4cm 13.67cm 7cm 5cm
Q26 Solve for t in equation 11 = 9t �?? 16 ○ -3 ○ 6 ○ 3 ○ 9
Q27 Solve for p in the equation 4p + 42 = 10p + 12 2 15 10 5
Q28 Solve for m in 6m2 = m + 1 $0 \frac{1}{2}$ or $1/3$ $0 \frac{1}{6}$ or $1/3$ $0 \frac{1}{2}$ $0 \frac{1}{2}$ $0 \frac{1}{2}$
Q29 Remove bracket -3(a2 -2) ○ -3a2 �?? 6 ○ 6 �?? 3a2 ○ 3a2 ○ 6 + 3a2
Q30 Find the surface area of a right circular cone whose height is 7.2cm and slant height is 7.5cm. 21cm2 2.1cm2 63.4cm2 44.4cm2
Q31 Factorize completely m2 �?? 11m + 2r (m + 7) (m + 4) (m �?? 7) (m �?? 4) (m + 7) (m �?? 4) (m •?? 7) (m + 4)
Q32 Factorize completely 16h2 �?? 25 (h + 5) (h �?? 5) (4h + 5) (4h �?? 5) (4h �?? 5) (4h �?? 5) (4h + 5) (4h + 5) (4h + 5)

Q33 Factorize a2 �?? b2 a + b a �?? b (a + b)(a + b) (a + b) (a �?? b)	
Q34 Calculate the volume of a cone given its length as 10cm and radius 6cm. 301.7cm3 8cm3 301.7cm2 3000cm2	
Q35 Calculate the total surface area of a cone of slant height 5m and radius 2m. 44cm 308m 44m2 220m2	
Q36 Calculate the radius of a circle whose area is given as 3850cm2 40cm 35 35m 35cm	
Q37 An arc AB subtends an angle of 600 at the centre of a circle of radius 4cm. Calculate the area minor sector. 8.4cm 8.4cm 21.2cm2 2.52cm2	of the
Q38 An arc AB subtends an angle of 600 at the centre of a circle of radius 4cm. Calculate the area major sector. 41.90cm 41.9cm2 420cm2	of the
Q39 A rectangle is 4times as long as it is wide. If the perimeter of the rectangle is 50cm, find the left the rectangle. 5 cm 20 20cm 2 cm	ngth of
Q40 A cylinder has a radius of 6cm and a height of 4cm. What is the area of the curved surface? 1056cm2 150.9cm2 159m2 15.9cm2	

Q41 Which type of equation is $3x + 3 = 5x$?	
Polynomial	
QuadraticLinear	
Simultaneous	
Simultaneous	
Q42 What is the process of finding the numerical value of a variable in a formula, when the values of t other variables are given?	he
Substitution	
Elimination	
O Formula	
Change of change	
Q43 What is an outer view of solids and plane shapes?	
edges	
side	
surface	
O vertex	
Q44 What describes the relationship between variables?	
Objective Objective	
Unknown	
Equation	
O Formula	
Q45 The parallel sides of a trapezium are 10cm and 16cm. If the area of the trapezium is 98cm2. Calculate the distance between the parallel sides	
○ 72cm	
○ 8cm	
○ 10.8cm	
○ 5.4cm	
Q46 The intersection of x-axis and y-axis on the Cartesian plane is called	
abissae	
• y-coordinate	
• x-coordinate	
origin	
Q47 Solve for x and y in these eqns2x-5y=7andxy=6	
(1, 1) (5/2, 12/5)	
(6, 1) (-5/2, 12/5)	
\bigcirc (6, 1) (5/2, 12/5)	
\circ (1, 6) (12/5, -5/2)	
Q48 Round off 16.0077 to two decimal places.	
O 16	
0 16.01	
0 16.81	
O 16.807	

Q49 In a quadratic graph, the points at which the curve cuts the x-axis are called the of the equa	tion.
solutions	
answers	
oroots	
o pairs	
Q50 Greater than is denoted by which of the following sign.	
\circ <	
\bigcirc >	
0 <	
\odot >	
Q51 Given an equation $y = x2$ �?? $3x$ �?? 2 for $0 < x < 4$. Find y when $x = 4$	
O 4	
○ -2	
\bigcirc 2	
○ -4	
Q52 Find the area of a sector of a circle with radius 14cm and 160 degree as angle at the centre	
○ 273.8cm2	
○ 146.4cm	
○ 109.52cm	
○ 96.55cm	
Q53 Divide 2302four by 2	
O 1651	
0 1211four	
1211four	
○ 1121four	
Q54 Calculate the volume of a cylinder whose diameter is 6cm and length is 21cm.	
297cm2	
○ 594cm2	
600cm2	
© 820cm2	
Q55 Calculate the volume of a cylinder whose diameter is 6cm and length is 21cm.	
594cm2	
297cm2	
0 146cm2	
○ 73cm2	
Q56 Approximate 186.75 to 3 significant figures.	
200	
0 190 0 107	
0 187 0 186 8	
0 186.8	

120four 1200four 1201four 535			
Q58 A man gets : 500 N500 N500 N500 N50	N1000 for 10 days of work. Find the	amount he got for 1/2 a day.	
Q59 A cylinder o	of of height 20cm has a total surface a	rea of 1180cm2. Find the radius of the o	cylinder
7cm 10cm 15cm 20cm			
Q60 A cylinder h 4.22cm? 4.22cm 7.04cm 8.88cm 14.02cm	has a curved surface area 186cm2. W	hat is the diameter of the cylinder if the	length is
Q61 Remove the ○ x2-y2 ○ y2-x2 ○ 2x-2y ○ x-y	e bracket in th expression (x-y)(x+y)		
Q62 Evaluate 120 600 240 300 120	20/0.4		
Q63 Town A is 41 3km 4km 7km 12km	km west of town B and town C is 3kn	n east of town B, how far is town A fron	n town C?
Q64 A tank holds the tank holds 83.333333333 90 7.5 250		cup is 7/10 of a litre. How many cups of	f water does

Q65 Convert 0.457 to percentage 0.457 0.0457 0.00457 0.00457
Q66 What is 25% of 270? 6.75 72.5 27 67.5
Q67 A man get N1000 for 20days of work. Find the amount he got for 5 days. N50 N5000 N5000 N5000 N250
Q68 Convert 156ten to base two 1001110two 10011two 10011100two 11100two
Q69 Express 0.065 as percentage ○ 0.065 ○ 0.56 ○ 0.605 ○ 0.056
Q70 Factorize p2 �?? q2 ○ p+p ○ p-q ○ (p-q)(p+p) ○ (p-q)(p-q)
Q71 Factorize completely 9h2 �?? 25 • $(h + 5) (h �?? 5)$ • $(4h •?? 5) (3h •?? 5)$ • $(3h + 5) (3h •?? 5)$ • $(3h + 5) (3h + 5)$
Q72 Express 41% as decimal 4.1 0.41 41 0.041
Q73 What is angle on a straight line? 900

180o270o360o
Q74 Expand (x-y)(x+y) xy-x-y x2-y x2+y2 x2-y2
Q75 Solve for t in 6t2 = t + 1 1/6 or 1/3 1/2 or 1/3 1/2 3
Q76 Solve for p and q in these equations2p-5q=7and pq=6 (1, 6) (12/5, -5/2) (1, 1) (5/2,12/5) (6, 1) (5/2, 12/5) (6, 1) (-5/2, 12/5)
Q77 Evaluate 1/6 of 24 + 1/4 of 160 24 23 44 164
Q78 One of these is not among types of triangle. Parallelogram Scalene Equilateral Right-angled
Q79 The closed curve by which a circle is bounded is called dimeter Circumference Sphere Radius
Q80 A chord of a circle is 18cm long. The radius of the circle is 15cm. calculate the distance of the mid point of the chord from the centre of the circle. 144 12 12cm 1.2cm