Foocus A365						
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7 Ambush						
ADMNAME 1. Find the square root of the following using the factor method						
(2mks)						
(4mks)						

3. The surface area of a sphere of radius r is given by the formula $A = 4\pi r^2$. What is the radius of a sphere whose surface area is $120cm^2$ (correct to 3 decimal places) (2mks)

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- 4. Solve the following recurring decimals
 - a. Write 0.0855 as a fraction in its lowest terms (2mks)

b. Write 0.0234 as a fraction in its lowest terms (2mks)

5. By the use of mathematics tables, find the squares of the following numbers and express your answer in standard form i.e. $(A \times 10^n)$

a.	0.004136	(2mks)	b. 17.136	(2mks)
	1		1	

6. Ogasusu spent ¹/₄ of his net January salary on school fees. He spent ¹/₄ of the remainder on electricity and water bills. He then spent ¹/₉ on what was left on transport. If he finally had *sh*. 3400, what was his net January salary? (3mks)

7. Find the value of y in the following equation $\left(-\frac{1}{2} + \left(-\frac{4}{5}\right)\right) of \left(-\frac{2}{3} + (-y)\right) = \frac{17}{20}$ (3mks)

12 2(6) 1.86 $(\alpha), |$ 2401 DRAFT = 1.3638 2(0) 42 57 7 343 6.5192 7 49 6.524.6 2(d) 641.978 Rewrite as TXTXTXT V6.41978×100 49×49. Round off to 4SF J. Therefore the square roof is . - 6.420×100 49, = 2.5338×10 6561 (b) = 25.338 Or 2-5338×10 9 729 9 81 /1 3. A=4JLr2 But A = 120cm 47r2 = 120 9 × 9 × 9 × 9 4×22 × = 120 81×81 - 81 is the Square not of $\frac{88}{7}r^2 = 120$ 6561 - T = 120 × 7 (2) (a) 0.8236 2211 Rewrite as [82.36×1 100 $r = \frac{105}{11} V$ 9.0752×10 r= 9.5454 Using Metter Metreel tables = 0.90752 $Y = \sqrt{9.5454}$ r = 3 086] 9.0752×10-1 + 8 In 2d.p =3.090