S3 (3.1) Level 4 Unit 2 Test Revision.notebook

September 03, 2015



Q4. Two bottles are similar in shape. The diameter of the smaller bottle is 8cm, the diameter of the larger one is 9.12cm. If the smaller bottle is 500ml, what is the size of the larger one to 2 s.f.?

S.f= 9.12 +8 = 1.14 V.Sf. = (1.14) = 1.48 1544 V= SOOX 1.48 .. = 740.772

Today we will be revising for our test. Homework Due Monday



$$pn = m - pn + pn$$

$$Dn + pn = m$$

$$n(D+p) = m$$

Daily Practice 28.8.2015
Q1. Find 15% of 980
107
$$f$$
 980
147
Q2. Multiply out and simplify $7(2x - 1) - (3x + 4)$
112 -11
Q3. Rearrange $x^2y + t = a$ such that x is the subject
Q4. Two pieces of rectangular carpet are similar in shape. The length of the

Q4. Two pieces of rectangular carpet are similar in shape. The length of the smaller one is 1.5m, the length of the larger one is 6m. If the area of the smaller one is $10.5m^2$, state the area of the larger one. S.f = 6 + 1.5 = 4

As.f. = 4² Area larger piece = 10.5 x 4² = <u>168m</u>²

 $S^2 = \frac{a+2}{x}$ to a

Today we will be continuing to revise over rearranging formulae.

Homework Due Monday

V= forth tor

Today we will be revising over right-angled

trigonometry

Homework due!

Daily Practice	31.8.2015
Q1. Find the value of a house that was worth $\pounds7300$	O and appreciated
in value by 6% per annum for 2 years. 6% of 13000 = 73000 × 0.06 = £4350 £71380	+ 4642.80
73600+4380=277380	= <u>E82082.80</u>
O2. Rearrange the formula $y = \frac{y}{y} + t = r_{y}$ so the $3+ty=ry$ $3=y(r-t)$ $y = \frac{3}{r-t}$	at y is the subject
Q3. State the equation of the line joining (0, 3) and $3 = \frac{1}{2}$	(2, 5) ×+3
Q4. State the gradient & y - intercept of the line y =	-3x + 4
gradient=m=-3	
y-intercept=4 (0,4)	





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Today we will be revising over trigonometry & angles in circles.

EXAM QUESTIONS

1.	No since $20.4^{\circ} < 21^{\circ}$	2.	295cm or 2·95maA
3.	Correct since $3^\circ < 3.05^\circ < 5^\circ$ 4.	16.20	cm or 16.3cm depending on rounding
5.	28·7°	6.	2·85m
7.	33 ·6°	8.	41.5m
9.	Yes, since $10^{\circ} \! < \! 11 \! \cdot \! 5^{\circ} \! < \! 12^{\circ}$	10.	8·57m
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_		_	
11.	53·1°	12.	2·04m
13.	4.9°	14.	11.5cm
15.	OK since $24^{\circ} \le 24 \cdot 6^{\circ} \le 26^{\circ}$	16.	42°
17.	41·4°	18.	(a) 7.9m (b) 70cm or 71cm [rounding]

Deily Practice 2.9.205 al. Round 81.52 to 1 significant figure a. forth state the equation of the line share (5,0) OB. Calculat the size of angle boo ABC

Deily Pradice 2.9.2015) al. Round 81.52 to 1 significant figure 80 Q2. y=mx+tc y=mx+tc (5,0) $m=\frac{y_{1}-y_{1}}{x_{1}-x_{1}}=\frac{6-4}{5-10}=\frac{5}{5}$

03. Calculate the size of angle ABC 180° - 68 = 112! (12° - 2 = 56 $90^{\circ} - 56^{\circ} = 34^{\circ} = \widehat{ABC}$

Today we will be revising over the circle and the straight line.

Changing the subject (Int 2 PP).pdf

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