Monifieth High School Mathematics Department

S2 Homework 12

No calculator allowed!!

1) $\frac{1}{3}$ of 279 **2)** $\frac{1}{8}$ of 504 **3)** $\frac{5}{6}$ of 186 **4)** $\frac{4}{9}$ of 288

Revision of S1 work

5) Copy this table in to your jotter and fill in the blanks

Fraction	Decimal	Percentage
	0.5	
		25%
$\frac{3}{4}$		
	0.1	
		53%
		3%
		30%

S2 work

6) **a)** Calculate the circumference of a circle diameter 8m.

b) Calculate the circumference of a circle radius 8m.

7) **a)** Calculate the area of a circle radius 8m.

b) Calculate the area of a circle diameter 8m.

8) A test track is a circle, radius 1.6km.

a) Calculate the circumference of this test track.

b) It takes a car exactly 2 minutes to complete a lap of this track at top speed. Calculate the car's top speed, rounding your answer to one decimal place.

UK Junior Maths Challenge Question

Which of these is closest to 7?

A 7.09 B 6.918 C 7.17 D 6.7 E 7.085