

S2 Homework 20

No calculator allowed!!

- 1) $5460 \div 70$ 2) $2592 \div 60$ 3) $3755 \div 500$ 4) $5696 \div 8000$

Revision of S1 work

5) Write these times in the 24-hour clock: -

- a) 10:20am b) 3:35pm c) 11:45pm d) 12:15am

6) Write these times in the 12-hour clock: -

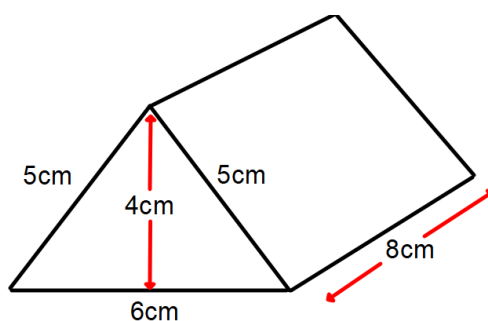
- a) 0725 b) 1208 c) 1923 d) 0012

7) How long from: -

- a) 7:20am to 10:30am b) 1127 to 1748
c) 3:45pm to 7:20pm d) 1453 to 1723

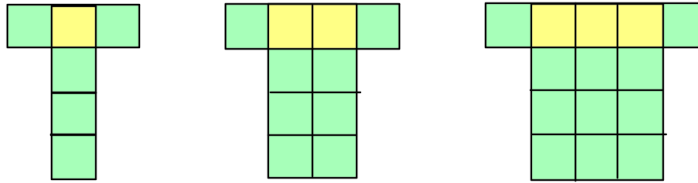
S2 work

8) Calculate the volume of the triangular prism shown below.



9) Calculate the volume of a cylinder diameter of 10cm, height of 20cm.

10) a) Look at the patterns below, then copy and complete the table: -



Number of yellow squares (Y)	1	2	3	4	5	6
Number of green squares (G)						

b) Write a formula for the number of green squares, given the number of yellow squares

$$G = \underline{\hspace{2cm}}$$

c) Use the formula to calculate how many green squares there will be in a pattern which has nineteen yellow squares.

d) Use the formula to calculate how many yellow square will there be in a pattern which has 62 green squares.

11) a) $\frac{3}{5} + \frac{2}{7}$ b) $\frac{3}{5} - \frac{2}{7}$ c) $\frac{3}{5} \times \frac{2}{7}$ d) $\frac{3}{5} \div \frac{2}{7}$

12) a) $2\frac{1}{4} + 1\frac{1}{3}$ b) $2\frac{1}{4} - 1\frac{1}{3}$ c) $2\frac{1}{4} \times 1\frac{1}{3}$ d) $2\frac{1}{4} \div 1\frac{1}{3}$

UK Junior Maths Challenge Question

The shortest street in the UK, *Ebenezer Place* in Wick, is 2.06 m long. The *Trans-Canada Highway*, one of the world's longest roads, is approximately 7821 km in length.

Approximately, how many times longer than the street is the highway?

- A 4 000 000 B 400 000 C 40 000 D 4000 E 400