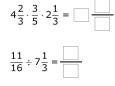# Notes – Level 8

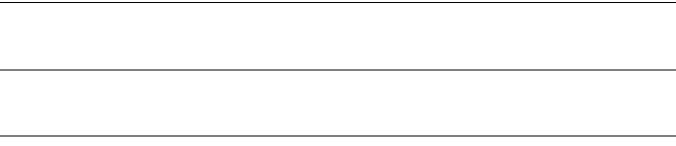## Maths

Show working for these Sections: 1, 4, 5, 7

Section 1

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

Find the product or quotient.

$$4\frac{2}{3} \cdot \frac{3}{5} \cdot 2\frac{1}{3} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

$$\frac{11}{16} \div 7\frac{1}{3} = \frac{\boxed{}}{\boxed{}}$$

SHOW WORKING HERE   [Office use only 1085: 4-5]

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

Solve.

$$0.62 + 1.935 + 565.7 = \boxed{}$$

$$8 - 5.987 = \boxed{}$$

$$742.3 \times 0.156 = \boxed{}$$

$$303.099 \div 2.13 = \boxed{}$$

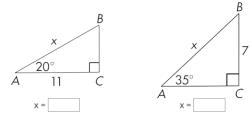SHOW WORKING HERE   [Office use only 1085: 6-9]

Section 4

For the following question, show working in the spaces below. Choose or write the correct answer on your computer.

SHOW WORKING HERE

$-3x^2y \overline{)12x^3y^2 + 9x^2y^3}$

- ○ $4xy + 3y^2$
- ○ $-4xy - 3y^2$
- ○ $-4xy^2 - 3xy^2$

Section 5 *Note: You should use a calculator with trigonometric functions for these two questions.*

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

Use a trigonometric ratio to find the value of x. Round the answer to the tenths' place.

x = ▢

x = ▢

SHOW WORKING HERE

Section 7 *Note: You may use a calculator for these two questions, but use the value of π given, not the π key.*

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

SHOW WORKING HERE

Find the area. Use 3.14 for π.

d = 9 cm

▢ cm²

Find the circumference. Use 3.14 for π.

d = 7.5 in

▢ in