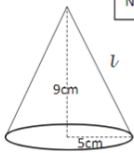


Y10 Maths Weekly Task Grid – Week commencing 13th JulyThis week's topic focus is **Recurring Decimal to Fraction**

Please complete all 4 tasks.

Starter:**AREA/ PERIMETER/ VOLUME**

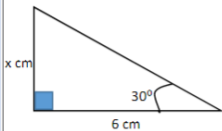
Find the surface area of the cone.

Note: curved surface area = $\pi r l$ **FRACTIONS/ DECIMALS/ RECURRING DECIMALS**

Convert 0.45 to a fraction.

TRIGONOMETRY/ GRAPHS

Without a calculator, find x.

**PERCENTAGES**

£1640 is invested in a bank for 3 years at 4% annual compound interest. Find the amount after 3 years.

Video on how to do itYou can choose which video you want to watch to show you how to do Recurring Decimals to Fractions[Recurring Decimal to Fraction Video - Corbett Maths](#)

Or

[Recurring Decimals to Fractions My Maths lesson](#)

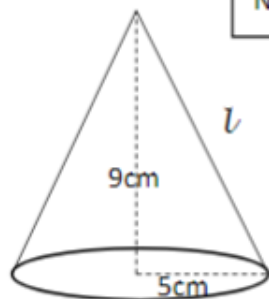
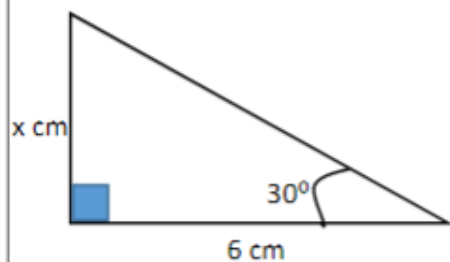
Or

[Recurring Decimals to Fractions Video - Maths Genie](#)[Maths Genie Revision Notes](#)**Practice Questions**You can choose which questions you want to use to practice. The links to the answers are also provided so you can check them when you are finished.[Recurring Decimals to Fractions My Maths online homework](#)[Recurring Decimal to Fraction Textbook exercise - Corbett Maths](#)[ANSWERS - Textbook exercise](#)[Recurring Decimals to Fractions Exam Style questions - Corbett Maths](#)[ANSWERS - exam style questions](#)**Exam Question (Higher):**

On the next page is some exam questions for you to have a go at...

AREA/ PERIMETER/ VOLUME

Find the surface area of the cone.

Note: curved surface area = $\pi r l$ **FRACTIONS/ DECIMALS/ RECURRING DECIMALS**Convert $0.4\dot{5}$ to a fraction.**TRIGONOMETRY/ GRAPHS**Without a calculator, find x .**PERCENTAGES**

£1640 is invested in a bank for 3 years at 4% annual compound interest. Find the amount after 3 years.

HIGHER

Convert $\frac{5}{6}$ to a decimal.

(2 marks)

Prove algebraically that the recurring decimal $0.\dot{8}$ can be written as $\frac{8}{9}$

(2 marks)

Prove algebraically that the recurring decimal $0.4\dot{7}$ can be written as $\frac{43}{90}$

(2 marks)

Prove algebraically that the recurring decimal $0.2\dot{3}$ can be written as $\frac{7}{30}$

(2 marks)

Write $0.1\dot{6}$ as a fraction in its simplest form.

(2 marks)

Work out: $0.\dot{3}\dot{9} + 0.\dot{6}\dot{3}$

(4 marks)