

APPROXIMATIONS (Decimal Places)

Answer ALL questions in the spaces provided for your answers.

1. State each of the following numbers correct to 2 d.p.

(a) $5.126 \approx$

(b) $0.085 \approx$

(c) $3.9999 \approx$

(d) $16.987 \approx$

2. Write each of the following numbers correct to the number of decimal places given in brackets:

(a) 5.06 (1 d.p.) $\approx$

(b) 289.597 (2 d.p.) $\approx$

(c) 0.003924 (4 d.p.) $\approx$

(d) 0.0085 (3 d.p.) $\approx$

(e) 0.9752 (3 d.p.) $\approx$

(e) 9.999 (2 d.p.) $\approx$

3. Write each of the following fractions as recurring decimals:

(a) $\frac{5}{11} =$

(b) $\frac{10}{11} =$

(c) $\frac{8}{15} =$

(d) $\frac{13}{15} =$

4. Write each of the following fractions as decimals correct to five decimal places:

(a) $\frac{7}{9} \approx$

(b) $\frac{8}{9} \approx$

(c) $\frac{7}{11} \approx$

(d) $\frac{9}{11} \approx$

5. Write 105.8054 correct to two decimal places.

6. Write 7.897 correct to two decimal places.