



**Changing remainders into common fractions**

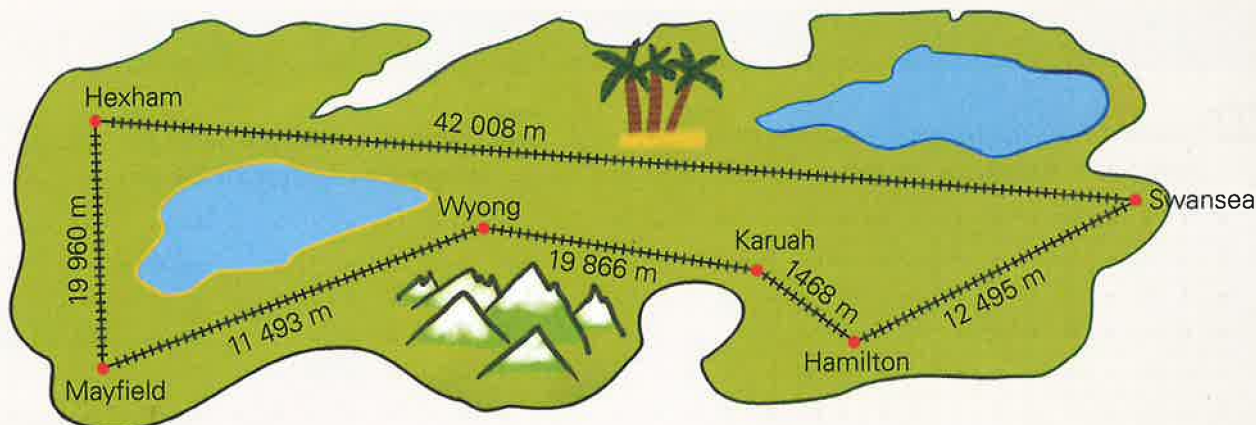
Remainders can be written as a common fraction by putting the remainder over the divisor. In this division the remainder of 1 is put over the divisor of 4 to become  $\frac{1}{4}$ .

$$4 \overline{)25} \begin{array}{l} 6r1 \\ \end{array} \text{ becomes } 6\frac{1}{4}$$

**1** Complete these divisions writing the remainders as a fraction.

- a  $3 \overline{)412520}$     b  $4 \overline{)5657}$     c  $5 \overline{)6557}$     d  $6 \overline{)7874}$     e  $5 \overline{)7867}$
- f  $6 \overline{)7523}$     g  $4 \overline{)5678}$     h  $5 \overline{)7397}$     i  $3 \overline{)5477}$     j  $6 \overline{)7690}$
- k  $6 \overline{)8352}$     l  $7 \overline{)9357}$     m  $6 \overline{)8542}$     n  $7 \overline{)8494}$     o  $8 \overline{)9613}$
- p  $8 \overline{)97549}$     q  $7 \overline{)85591}$     r  $6 \overline{)72675}$     s  $5 \overline{)74298}$     t  $6 \overline{)86744}$
- u  $5 \overline{)85467}$     v  $6 \overline{)82598}$     w  $7 \overline{)93549}$     x  $8 \overline{)96707}$     y  $7 \overline{)83856}$

**HUNTER ISLAND**



**2** What is the average distance between the stops if:

- a the train stops 4 times between Hexham and Mayfield? \_\_\_\_\_ m
- b the train stops 9 times between Mayfield and Wyong? \_\_\_\_\_ m
- c the train stops 8 times between Hexham and Swansea? \_\_\_\_\_ m
- d the train stops 3 times between Wyong and Karuah? \_\_\_\_\_ m
- e the train stops 7 times between Hamilton and Swansea? \_\_\_\_\_ m

**SUPER QUESTION**

**3** Divide a 2, 3, 4 and 5-digit number by 6. Each answer must have a remainder of  $\frac{1}{6}$ .

- a  $6 \overline{)\square\square} \frac{1}{6}$     b  $6 \overline{)\square\square\square} \frac{1}{6}$     c  $6 \overline{)\square\square\square\square} \frac{1}{6}$     d  $6 \overline{)\square\square\square\square\square} \frac{1}{6}$