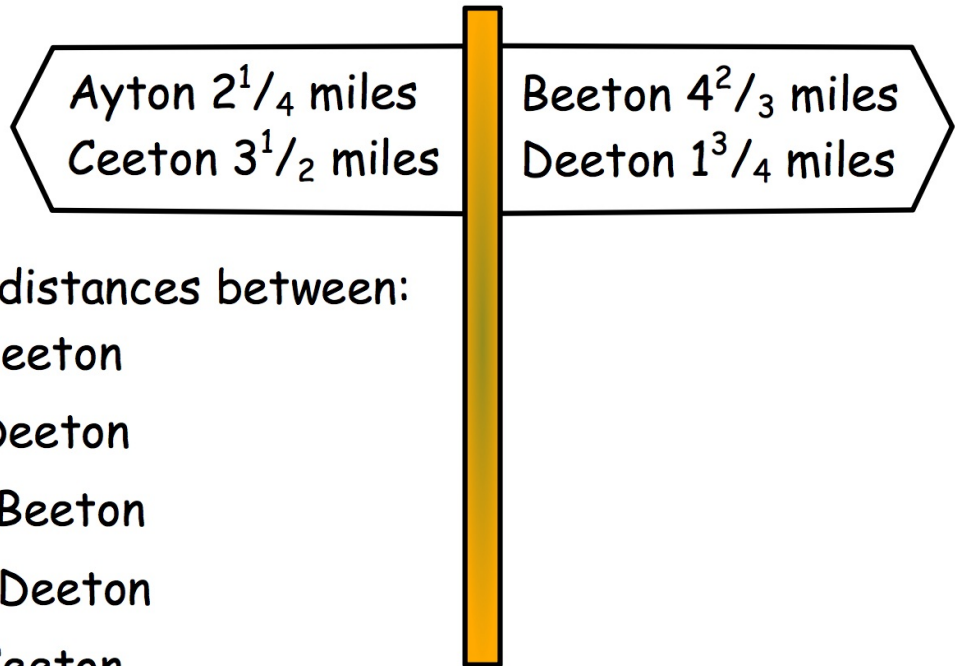


FRACTION PROBLEMS

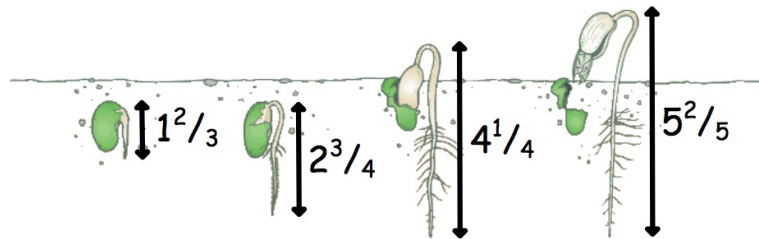
1. The signpost shows the distances to some towns.



Calculate the distances between:

- (a) Ayton to Beeton
- (b) Ayton to Deeton
- (c) Ceeton to Beeton
- (d) Ceeton to Deeton
- (e) Ayton to Ceeton
- (f) Beeton to Deeton

2. The growth of a seedling over 4 days is shown.
The lengths are in centimetres.



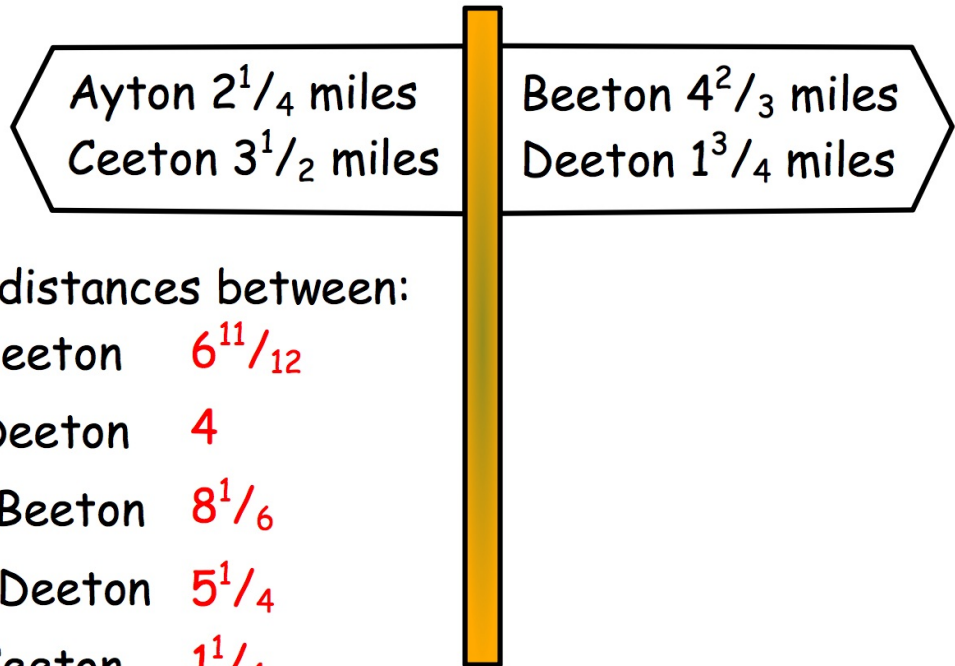
Find the increase in the size of the seedling each day.

- 3. Very young children will sleep for $\frac{3}{8}$ of a day.
How many hours sleep is this?
- 4. In a class of 28 pupils $\frac{4}{7}$ are girls.
How many boys are in the class?

5. In a forest $\frac{3}{4}$ of the trees are conifers and of these $\frac{2}{5}$ are spruce.
What fraction of the forest is spruce trees?
6. In a library $\frac{2}{3}$ of the books are fiction and of these $\frac{5}{8}$ are novels.
What fraction of the library books are novels?
7. In a school $\frac{4}{5}$ of the students study a science and of these $\frac{3}{8}$ study physics.
What fraction of the students study physics?
8. On a road $\frac{3}{5}$ of the drivers are male and of these $\frac{2}{9}$ are teenagers.
What fraction of the drivers are male teenagers?
9. A rectangle has length $2\frac{2}{3}$ m and breadth $1\frac{3}{4}$ m.
Calculate the area of the rectangle.
10. 1 square yard is approximately $\frac{5}{6}$ of a square metre.
(a) Change 60 square yards into m^2 .
(b) Change 30 m^2 into square yards.
11. $7\frac{1}{2}$ kg of rice is put into $\frac{3}{4}$ kg bags.
How many bags are there?
12. A rectangle has area $4\frac{2}{3} \text{ m}^2$ and length $3\frac{1}{2}$ m.
Calculate the breadth of the rectangle.

FRACTION PROBLEMS

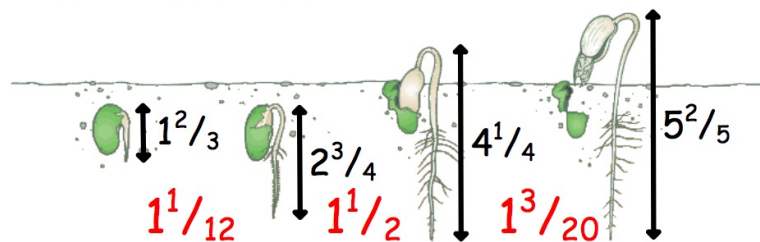
1. The signpost shows the distances to some towns.



Calculate the distances between:

- (a) Ayton to Beeton $6^{11}/_{12}$
- (b) Ayton to Deeton 4
- (c) Ceeton to Beeton $8^{1}/_{6}$
- (d) Ceeton to Deeton $5^{1}/_{4}$
- (e) Ayton to Ceeton $1^{1}/_{4}$
- (f) Beeton to Deeton $2^{11}/_{12}$

2. The growth of a seedling over 4 days is shown.
The lengths are in centimetres.



Find the increase in the size of the seedling each day.

- 3. Very young children will sleep for $3/8$ of a day.
How many hours sleep is this? 9
- 4. In a class of 28 pupils $4/7$ are girls.
How many boys are in the class? 12

5. In a forest $\frac{3}{4}$ of the trees are conifers and of these $\frac{2}{5}$ are spruce.
What fraction of the forest is spruce trees? $\frac{3}{10}$
6. In a library $\frac{2}{3}$ of the books are fiction and of these $\frac{5}{8}$ are novels.
What fraction of the library books are novels? $\frac{5}{12}$
7. In a school $\frac{4}{5}$ of the students study a science and of these $\frac{3}{8}$ study physics.
What fraction of the students study physics? $\frac{3}{10}$
8. On a road $\frac{3}{5}$ of the drivers are male and of these $\frac{2}{9}$ are teenagers.
What fraction of the drivers are male teenagers? $\frac{2}{15}$
9. A rectangle has length $2\frac{2}{3}$ m and breadth $1\frac{3}{4}$ m.
Calculate the area of the rectangle. $4\frac{2}{3}$
10. 1 square yard is approximately $\frac{5}{6}$ of a square metre.
(a) Change 60 square yards into m^2 . 50
(b) Change 30 m^2 into square yards. 36
11. $7\frac{1}{2}$ kg of rice is put into $\frac{3}{4}$ kg bags.
How many bags are there? 10
12. A rectangle has area $4\frac{2}{3}$ m^2 and length $3\frac{1}{2}$ m.
Calculate the breadth of the rectangle. $1\frac{1}{3}$