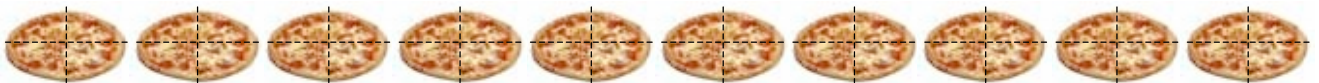


## Working out fraction problems - answers

1.
  - a. **12** guests walk.
  - b. **6** travel by bus.
  - c. If half walk and a quarter travel by bus that leaves a quarter.  
 $\frac{1}{2} + \frac{1}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$  leaving  $\frac{1}{4}$  or 6 people. So **6** use taxis.
  - d. A **quarter** use taxis.
  - e.  $\frac{3}{4}$  don't use taxis.

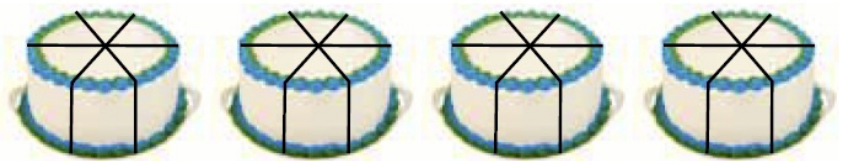


2. One pizza cut into quarters gives 4 pieces. 10 pizzas  $\times$  4 = **40 quarters**.



3. There are 24 guests.  $24 \div 2 = 12$ . So Joe receives **12** presents.

4.
  - a. Joe should cut each cake into **six** pieces.



- b. Each piece of cake is  $\frac{1}{6}$  of a whole.

5. There are 24 guests. 24 lots of  $\frac{1}{2}$  is  $24 \times \frac{1}{2} = 12$ .  
So Joe's guests drink a total of **12** cartons of orange juice.



6. There are four passengers. Each passenger pays a quarter of the fare. To find a quarter, divide 12 by 4:  $12 \div 4 = 3$ . Each passenger paid **£3**.

- a. Jenny paid **£3**.
  - b. Steve paid **£3**.
  - c. Each person paid  $\frac{1}{4}$  of the fare.
  - d. Jenny and Steve each paid  $\frac{1}{4}$ .  $\frac{1}{4} + \frac{1}{4}$  is equivalent to  $\frac{1}{2}$ . So Jenny and Steve paid  $\frac{1}{2}$  the fare.