

**Year 5 Gold Badge** - Complete both tasks and hand this back to your class teacher.

### Task 1

**Solve problems which require knowing percentage equivalents of simple fractions**

Emily is making vegetable soup. Altogether she has 1.6kg of vegetables

- $\frac{1}{2}$  of the vegetables are carrots
- $\frac{1}{4}$  of the vegetables are swedes
- $\frac{1}{5}$  of the vegetables are parsnips
- The rest are potatoes

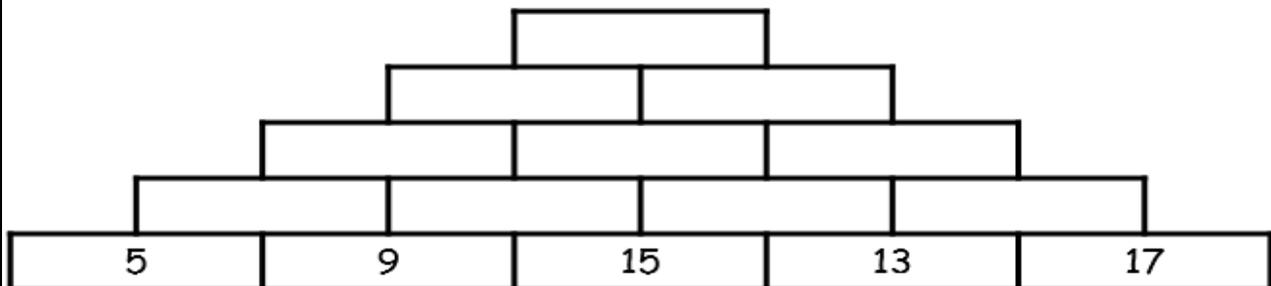
1. What percentage of the soup is made from each type of vegetable?
2. How much does each vegetable weigh?
3. 50% of the carrots, 25% of the swedes and 10% of the potatoes are rotten. What is the weight of the remaining vegetables that Emily can use to make her soup?

### Task 2

**Solve addition and subtraction problems**

PTRC

Complete the number wall by writing the total from two bricks in the brick in the row above.



If you rearrange the numbers at the bottom, does it affect the total at the top?

What is the largest total at the top you can get using these numbers?

What is the smallest number you can get at the top using these numbers?