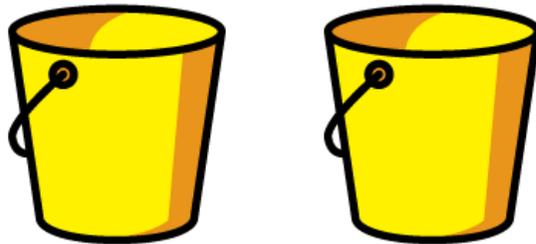# Problems of the Day 2019

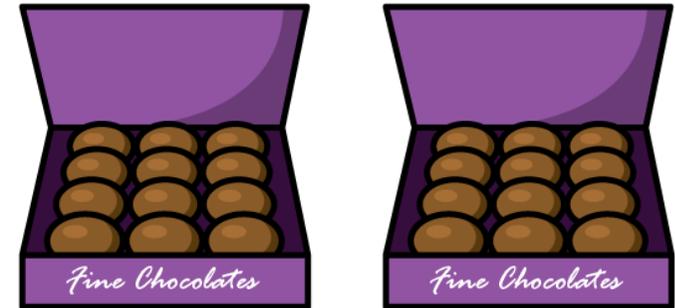**1** A bucket holds 10 litres of water.

Maz pours two full buckets of water into an empty barrel.

The barrel is now half full.

How many litres of water can the barrel hold?

2 Lily has two boxes of chocolates.

She eats 3 chocolates each day for 5 days.

How many chocolates are in the box after 5 days?

White Rose Maths

1 Trading cards are sold as single cards or in packs of 5 or 10

- A single card costs 50p
- A pack of 5 cards costs £2
- A pack of 10 cards costs £3.50

Max has £10 to spend.

What is the maximum number of trading cards he can buy?

2 $\frac{2}{5}$ of a number is equal to $\frac{3}{4}$ of a different number.

The smaller of the two numbers is 80

What is the value of the largest number?