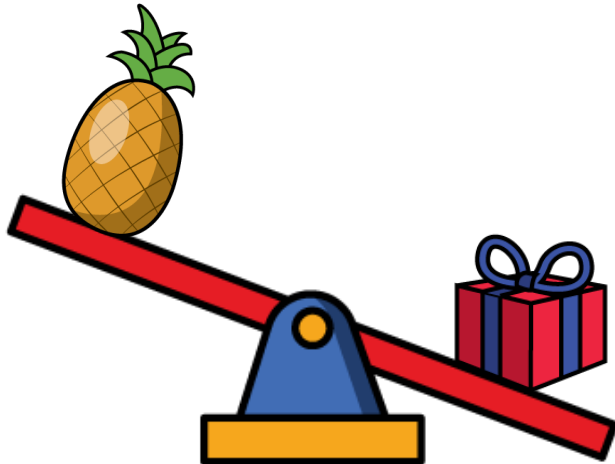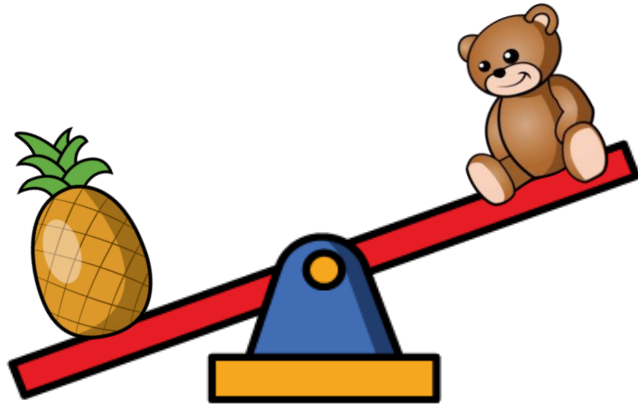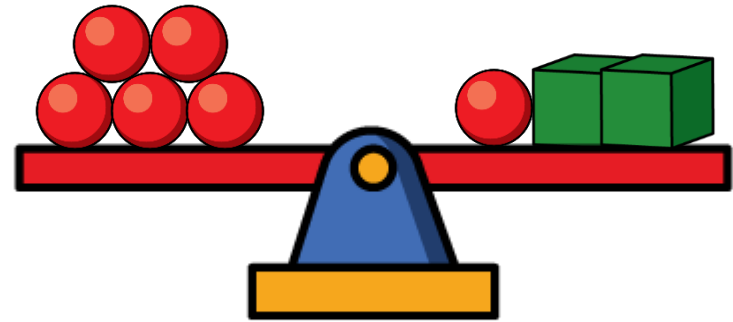# Problems of the Day 2019

1 Which item is the heaviest?

2 The mass of a 🔴 is 5 kg

What is the mass of a 🟩 ?

1 Which of the fractions add up to 1?

$$\frac{1}{5} \qquad \frac{3}{10} \qquad \frac{3}{5} \qquad \frac{1}{2}$$

Which two of the fractions below have the greatest difference?

$$\frac{4}{9} \qquad \frac{1}{3} \qquad \frac{1}{6} \qquad \frac{7}{18}$$

2 Imran and Tim each think of a number.

$\frac{1}{2}$ of Imran's number is equal to $\frac{2}{5}$ of Tim's number.

The total of their numbers is 144

What number is Imran thinking of?

Imran

Tim