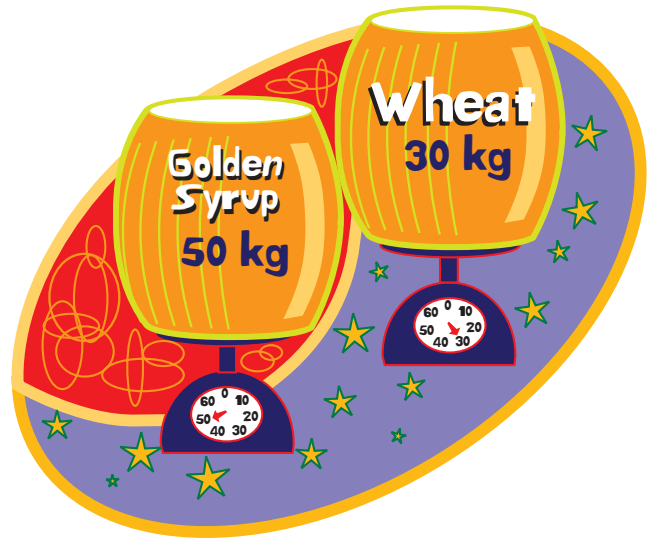


Over a Barrel

Problem One

A barrel of wheat has a mass of 30 kilograms. The same barrel full of golden syrup has a mass of 50 kilograms.

If golden syrup is twice as heavy as wheat, what is the mass of the barrel?



Problem Two

In each example, each shape stands for one digit. What number does each shape represent?

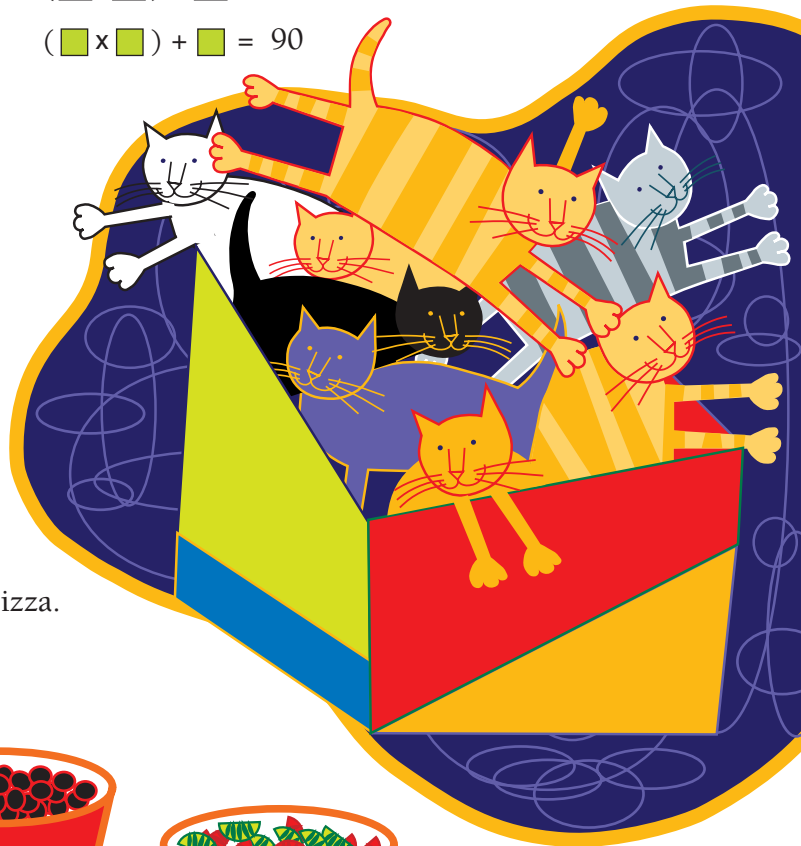
$$(\bigcirc \times \bigcirc) + \bigcirc = 20$$

$$(\triangle \times \triangle) + \triangle = 30$$

$$(\square \times \square) + \square = 90$$

Problem Three

- How many kittens would there be in this box if there were 21 more legs than tails?
- How many kittens would there be if there were 14 more legs than eyes?



Problem Four

Antonio wants to put three toppings on his pizza. These are the topping choices:



What different pizzas could Antonio make?