

Numeracy activity

This activity was designed for KS2 but can also be used to implement the literacy and numeracy framework into KS3 Science and Geography.

There are three different levels of cards. Print each set out on different coloured card and allow pupils to pick them out at random or give specific sets to groups of pupils.

Easiest level

<p>A boy had 16 coffee beans. His Mum gave him 12 more. He gave half to his sister. How many did he have left?</p>	<p>In the rainforest Eric saw 33 frogs. 7 were tomato frogs, 6 were reed frogs and 9 were golden frogs. The rest were tree frogs. How many frogs did he see?</p>	<p>There are 32 boys and 13 girls in the village football team. They want to play 5 a-side football. How many teams can they make?</p>
<p>Alex buys a mango for 33p and some nuts for 24p. She pays with £1. How much change does she get?</p>	<p>Tom is saving up to buy a solar light for £36. He has £16 and his Uncle gives him £6. How much more does he need to save?</p>	<p>The chimpanzee had 8 berries. He found 12 more, then he gave half of his berries to his brother. How many did he give away?</p>
<p>Annett had 3 packs of seeds. There were 4 in each pack. She lost 3 of the seeds. How many did she have left?</p>	<p>There were 15 potatoes and 13 avocados in the shop. The shopkeeper displayed them in groups of 4. How many groups were there?</p>	<p>A rainforest plant grew 7 cm in a week. The second week it grew 8cm. The third week it grew 6cm. How tall is it?</p>
<p>Fatuma went to collect wood at 4 o'clock. She walked along the river for 1 hour and took the short cut back for half an hour. What time did she arrive home?</p>	<p>In the village school playtime is at 10.30. Pupils usually have a quarter of an hour but today they are having double that! What time will they go back into class?</p>	<p>Pedro's mum says he can invite 30 people to his party. So far, he has invited 9 boys and 12 girls. How many more children can he invite?</p>

Medium level

<p>There are 128 monkeys. 36 of them are hunting on the ground. 46 are hunting in the trees. The rest are sleeping in the trees. How many of the monkeys are sleeping?</p>	<p>In the tree nursery in Uganda there were 5 rows of seedlings. There were 8 in each row. 7 of the seedlings have died. How many are left?</p>	<p>Silvia has to tie up the goats. She needs 3 pieces of rope 1.5 metres long. She has a piece of rope that is 5 metres long. What length of rope will be left over?</p>
<p>A family are going to travel 200 miles to the city. In the first hour they travelled 48 miles. In the second hour they travelled 65 miles. How much further do they have to go?</p>	<p>There are 175 trees ready to plant in the forest. 45 are coffee trees, 51 are avocado trees and 38 are mango trees. How many other trees are there?</p>	<p>There are three bags of mangoes collected from the forest. They weigh 400g altogether. One bag weighs 150g. Another bag weighs 140g. What is the weight of third bag?</p>
<p>Rogers had 1 litre of water in his watering can. He watered four small trees with 200ml each. How many mls were left in the watering can?</p>	<p>The vehicle from the town to the rainforest village left at 7:30. It should have taken 30 minutes but the road was very muddy. It was 15 minutes late. What time did it arrive at the village?</p>	<p>Fatuma went to collect wood at 4 o'clock. She walked along the river for 50 mins and took the short cut back for 25 minutes. What time did she arrive home?</p>

Highest level

<p>Apollo has 1227 honey bees in one hive and 3439 in the other. How many honey bees does he have altogether?</p>	<p>A gorilla weighs 140kg. A forest elephant weighs 3960kg more. How much does the elephant weigh?</p>	<p>One business raised £1237 for Size of Wales to protect rainforests and another raised £4329. How much has been raised altogether?</p>
<p>The Size of Wales project in Mbale is 4101 miles away from Cardiff. The project in Madagascar is a further 1575 miles away. How far away is Madagascar from Cardiff?</p>	<p>Alex sells things on a stall to raise money for rainforests. He sells some lego for £9.99, a book for 85p and a toy for £1.85. How much does he raise in total?</p>	<p>Mosi starts watching the film at 2.45 pm. It lasts for 2½ hours. At what time does the film end?</p>
<p>The infants have raised £84.74 to protect rainforests. The juniors have raised £115.25. How much have they raised in total?</p>	<p>Comfort walks 1.3km to the shop then 500m to her friend's house. What is the total distance that she walked?</p>	<p>Karl buys a wooden table for £1345. It is too big for the house so he sells it for a £528 profit. How much does he sell the table for?</p>
<p>The quadrilateral garden has two sides measuring 8m, one side measuring 5m and one side measuring 15m. What is its perimeter?</p>	<p>A bag of plantains weighs 3.2kg and a bag of coffee beans weighs 700g. What is the total weight?</p>	<p>In the morning, the temperature in the Gola Forest in Sierra Leone was 23.8°C. During the day it rose by 3.1°C. What was the afternoon temperature?</p>