




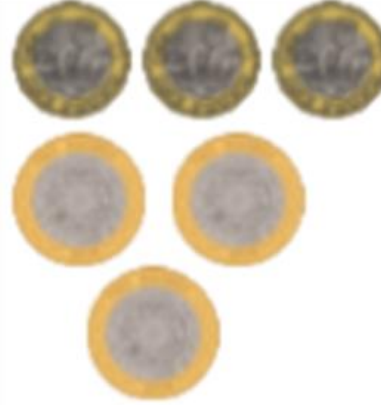








Using pounds and pence

A. What do the coins in each box add up to? Use £ or p for each total.

		
1.	2.	3.
		
4.	5.	6.

B. Total up the coins and use greater than ($>$) and less than ($<$) to compare the amounts.

											
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How Much Money?

You have these coins:



Can you make these amounts in three different ways? Draw the coins you would use. You can use any coin more than once.

5p

--	--	--

10p

--	--	--

20p

--	--	--

35p

--	--	--

How Much Money?

You have these coins:



Can you make these amounts in three different ways? Draw the coins you would use. You can use any coin more than once.

25p

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50p

--	--	--

37p

--	--	--

68p

--	--	--

How Much Money?

You have these coins:



Can you make these amounts in three different ways? Draw the coins you would use. You can use any coin more than once.

£1

--	--	--

£1.25

--	--	--

£1.62

--	--	--

£2.89

--	--	--

Money Cold Task

Can you label the following coins?



How many ways can you make 19p?

Jane has three 10ps and a 5p. Mary has seven 2ps and a 10p. Mary says she has more money because she has 8 coins and Jane only has 4 coins. Is she correct?

David buys a burger for £3.50 and a drink for 80p. He pays with a £10 note. How much change should he get?

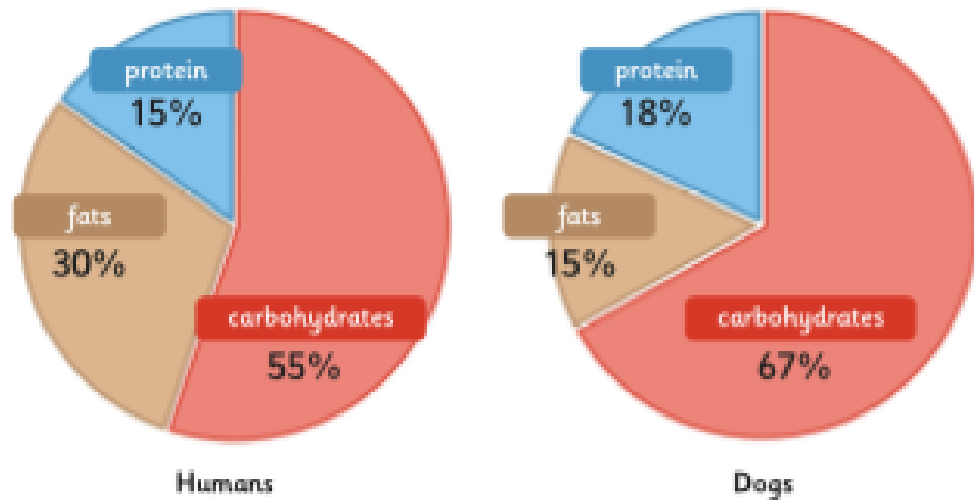
How Much Money?

Challenge: Find five amounts that you can make, using only silver coins.
Show the coins you would use.

Do these amounts have anything in common?

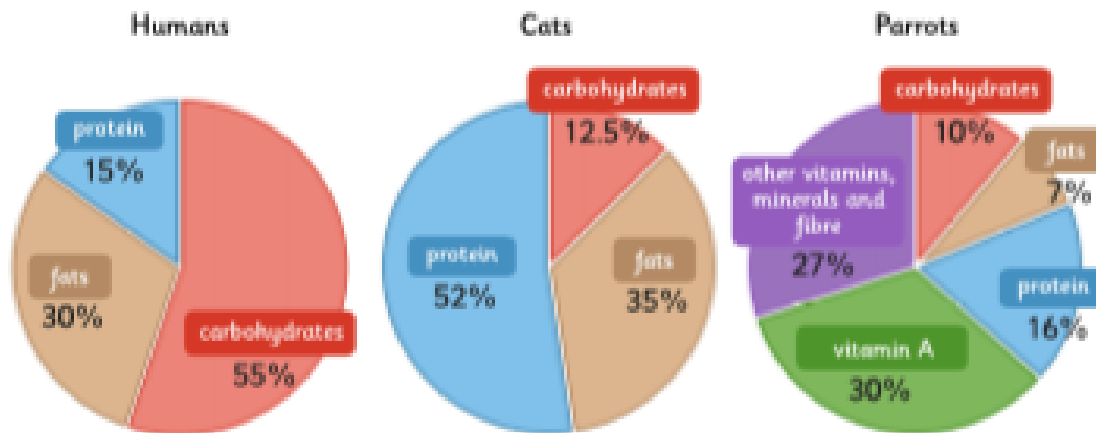
Now, find five amounts that you **cannot** make using only silver coins.
Show the coins you would use.

Compare the pie charts showing the amounts of nutrients needed by a human and a dog. Answer the questions below.



1. Who needs 30% fat in their diet? _____
2. Which animal needs the more protein? _____
3. What is the percentage difference between the amount of carbohydrates needed by humans and dogs? _____
4. Name two animals that you think would eat more protein than either a dog or a human:
_____ and _____
5. What would happen to a dog if it ate the same amount of nutrients as a human? _____

Compare the pie charts showing the amounts of nutrients needed by a human, a cat and a parrot. Answer the questions below.



- Which animal needs 15% protein in their diet? _____
- Which animal needs the least carbohydrates? _____
- What is the percentage difference between the amount of fats needed by humans and parrots?

- Name two animals that you think would eat more protein than a cat: _____ and _____
- What would happen to a cat if it ate the same amount of nutrients as a human? _____

- Why do living things eat different amounts of nutrients? _____

- What animals nutrient needs would you want to investigate? Why? _____

Activity

Complete the table below by adding examples of foods to each food group. Use the information in the table to complete the pictogram.

Table showing the number of portions of food from different food groups that people should eat daily		
Food group	Daily portions	Examples
Bread, cereals, potatoes	9	
Fruits and vegetables	5	
Meat and fish	4	
Milk and dairy	3	
Fats and sugars	1	

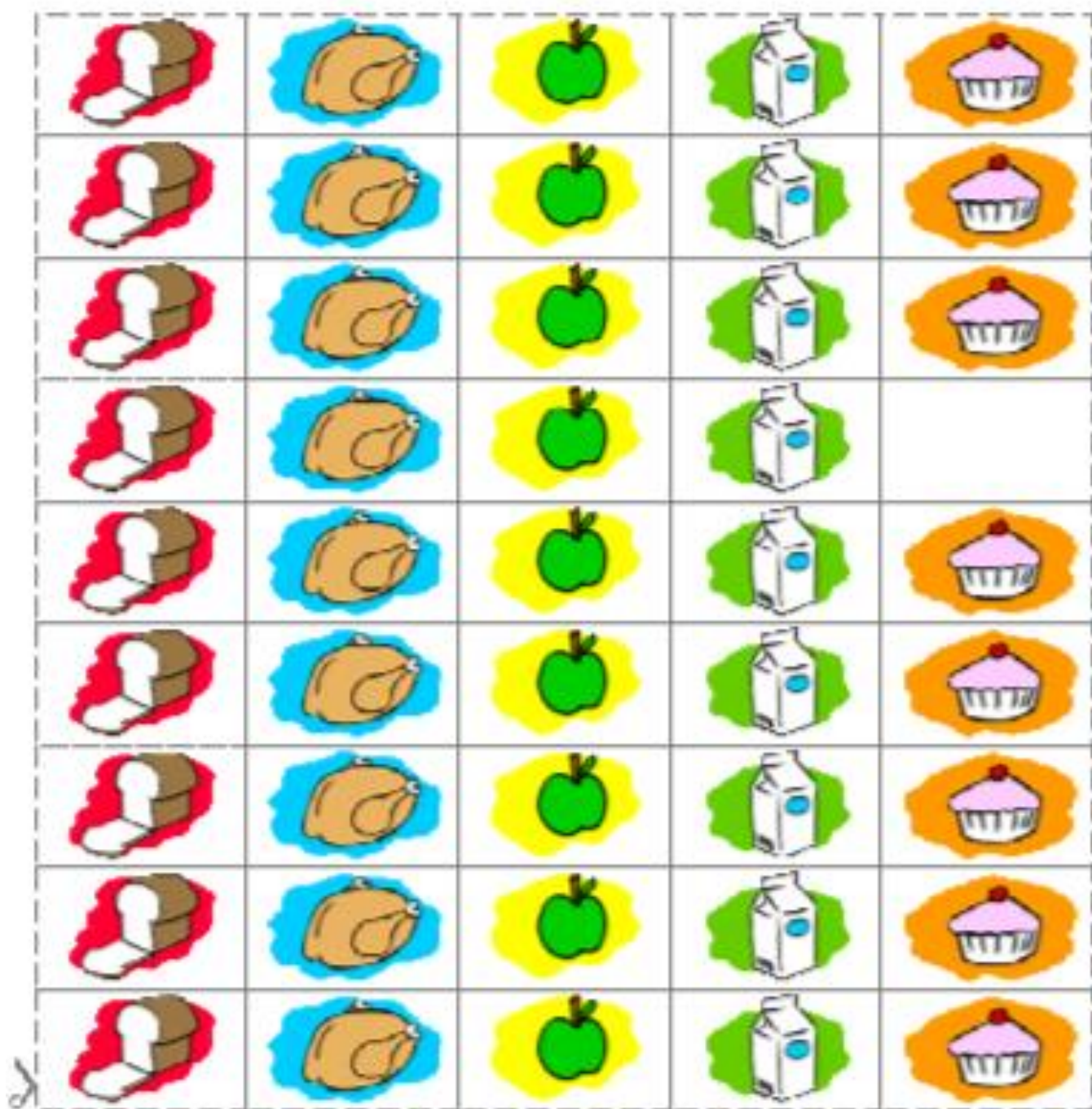
Discussion

Some people are **vegetarians** - they do not eat meat or fish.
 Some people are **vegans** - they do not eat meat, fish or dairy products. What sort of foods could they replace their meat, fish and dairy with? What do these foods need to contain to keep the people healthy?

Pictogram showing the number of portions of food from different food groups that people should eat daily				
Bread, cereals and potatoes	Fruits and vegetables	Meat and fish	Milk and dairy	Fats and sugars
Food group				

Images for pictogram

Cut out these images, or draw your own directly onto the pictogram. You won't need them all



Moving and Growing Quiz



1. Why do we have a skeleton?
 - a. To protect important organs, to help us move and support our body.
 - b. To keep us strong, tall and look good.
 - c. To keep us warm, to stop us from falling over and to help us walk.
2. How many bones are there in the Human Body?
 - a. 500
 - b. Over 206
 - c. Under 300
3. What protects the Heart and Lungs?
 - a. Skull
 - b. Ribs
 - c. Backbone
4. What is the proper terminology for your Knee cap?
 - a. Scapula
 - b. Humerus
 - c. Patella
5. What is the longest bone in the body?
 - a. Femur
 - b. Spine
 - c. Humerus
6. Where can the smallest bone be found in the Human Body?
 - a. In the Neck
 - b. In the Ear
 - c. In the Hand
7. Bones are connected to...
 - a. Skin
 - b. Joints
 - c. Veins

8. Bones are made of...
- Calcium, protein and minerals
 - Sugar, blood, minerals
 - Protein, carbohydrates, salt
9. When a bone breaks it is called a ...
- Crack
 - Get
 - Fracture
10. Animals that do not have a backbone are called...
- Vertebrates
 - Invertebrates
 - Convertebrates
11. Which of these animals has its skeleton on the outside of its body?
- Ant
 - Horse
 - Fish
12. Which of these animals does not have a hard skeleton?
- Cat
 - Crab
 - Earthworm
13. As you grow, your skeleton...
- Grows
 - Stays the same size
 - Gets smaller
14. How many muscles are there in the body?
- 500
 - Over 600
 - Under 120
15. How does your arm bend up and down?
- The bones inside your arm move on their own
 - Your elbow squeezes and moves the bones
 - Muscles pull the bones up and down
 - |

16. Your muscles work hardest when you are...

- a. Running
- b. Walking
- c. Sitting down

17. Muscles always...

- a. Work hard
- b. Work in pairs
- c. Work slowly

18. When a muscle pulls it...

- a. Gets larger
- b. Contracts (gets shorter)
- c. Stays the same

19. When a muscle is contracting, the other is ...

- a. Relaxing
- b. Sleeping
- c. Tightening

20. We have muscles to help our bodies...

a. Look good

- a. Slide
- b. Move