



# Daily Learning Task 13

## Year 6

### Maths:

#### Focus: Finding percentages of amounts

Use your learning from 'Task 2' to find percentages of amounts and solve one step problems using percentages.

**Extra Tasks** - Can you create and solve your own percentage word problems?

#### Remember to visit Maths Flex

Your username is your 0092014AM (your initials) then your password is your unique 4 digits followed by your initials.

[https://www.activelearnprimary.co.uk/login?e=-1&c=0#bugclub\\_contextual](https://www.activelearnprimary.co.uk/login?e=-1&c=0#bugclub_contextual)

### English:

#### Text of the day: Circulatory System

Complete the comprehension

**Extra Tasks** - Use Google to find out more information about the Circulatory System and create a fact file or poster to explain what happens when the heart pumps blood around the body. What does the blood carry around your body? How does it travel?

#### Remember to visit Reading Plus

Your username is your first name and last name initial E.g. AnnaM and your password is your 4 digits

<https://student.readingplus.com/seereader/api/sec/login>

### Other:

#### Focus: RE

This term we will be building on learning from previous years about Hinduism. Can you find out what Hindus believe God is like? What is the importance of Brahman and Atman to Hindus? Use the link below to watch a short clip and find out more about Brahman. Can you complete some research about Atman? Be creative in how you record the information you have found.

[What is Hinduism? - BBC Bitesize](#)

### Ongoing tasks:

Reading Plus (see link above)

Maths Flex (see link above)

TT Rockstars <https://play.ttrockstars.com/auth/school/student>

Spelling Shed [https://www.edshed.com/en-gb/login?return\\_url=https%3A%2F%2Fwww.spellingshed.com%2Fen-gb%2F](https://www.edshed.com/en-gb/login?return_url=https%3A%2F%2Fwww.spellingshed.com%2Fen-gb%2F)

Useful links:

Joe Wicks exercise

<https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ>

Purple Mash - Why not log on and play some games?

<https://www.purplemash.com/sch/beaumont>

Visit the YouTube link and watch some grammar videos - they are very catchy!

<https://www.youtube.com/channel/UCF3idoSaI6I-2bJcYtq4rvQ>

Relax your mind and body with some yoga!

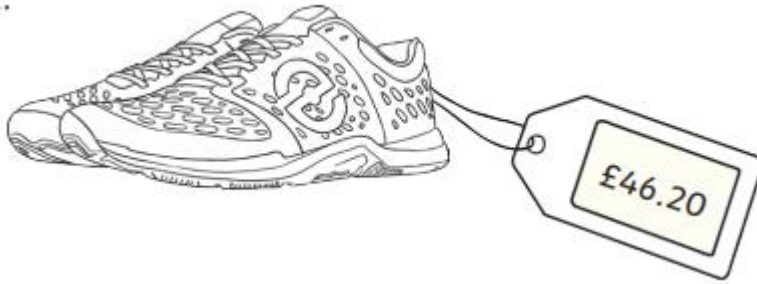
<https://www.youtube.com/user/CosmicKidsYoga>

# Finding Percentages of Amounts

For one day only, we've cut the prices of all our stock for Loyalty Cars owners! Each item is now a percentage of its full price. The loyalty card next to each item shows the percentage of the full price that the item costs in the sale.

Work out the sale price for each item in the shop.

1.



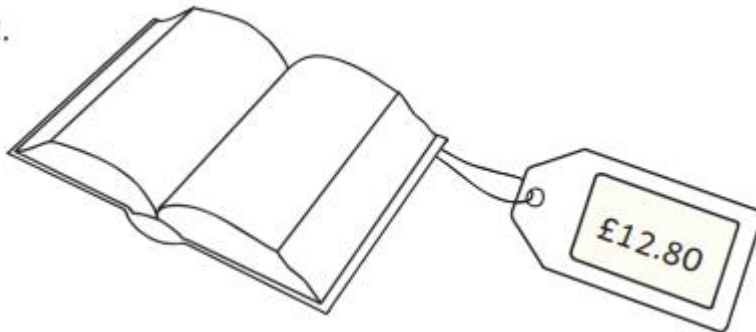
**Loyalty Card**

Pay 75%

75% of price =

\_\_\_\_\_

2.



**Loyalty Card**

Pay 80%

80% of price =

\_\_\_\_\_

3.



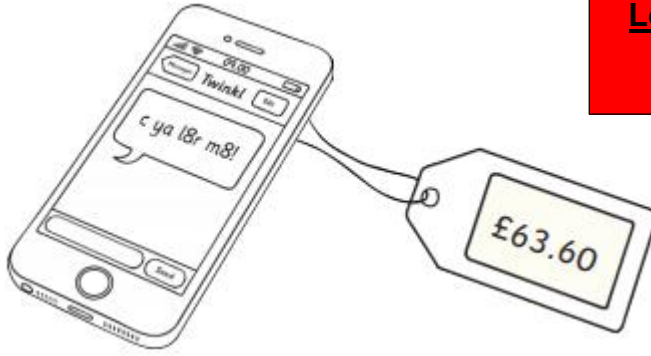
**Loyalty Card**

Pay 65%

65% of price =

\_\_\_\_\_

4.

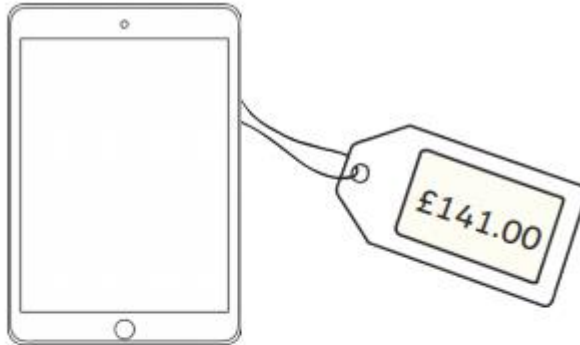


**Loyalty Card**  
Pay 15%

15% of price =

\_\_\_\_\_

5.



**Loyalty Card**  
Pay 95%

95% of price =

\_\_\_\_\_

6.

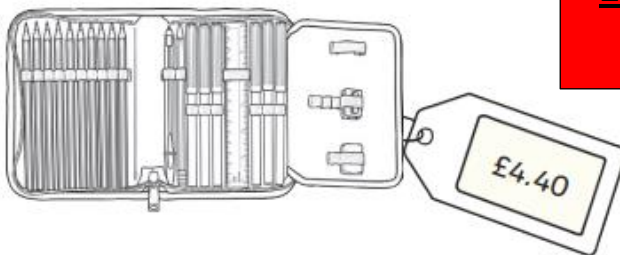


**Loyalty Card**  
Pay 25%

25% of price =

\_\_\_\_\_

7.

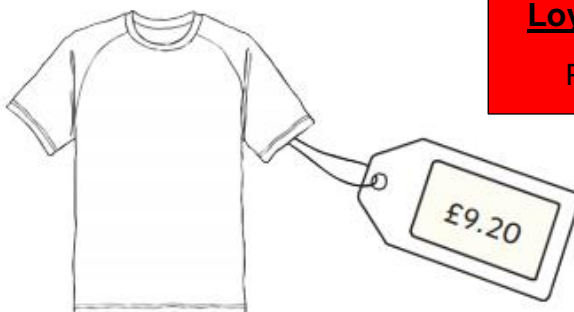


**Loyalty Card**  
Pay 30%

30% of price =

\_\_\_\_\_

8.



**Loyalty Card**  
Pay 45%

45% of price =

\_\_\_\_\_

# One-Step Word Problems Percentage of Amounts

Aim: I can solve one-step word problems involving percentages.

1. A grocer has 60kg of potatoes. In one day, he sells 50% of the potatoes. What mass of potatoes does he sell?

2. A decorator buys 24 litres of paint. When he finishes painting, there is 25% of the paint left. How much paint is left?

3. A collection is made for local charities, which raises £60. 20% of the money is given to a children's charity. How much does the children's charity receive?

4. Amit reads a book with 250 pages. He reads 10% of the book each day. How many pages does he read each day?

5. An athlete runs 30 miles a week in three runs. On one day, the athlete runs 40% of the mileage. How long does the athlete run on this day?

6. A sunflower grows to be 200cm tall. After four weeks, it was 30% of this height. How tall was the sunflower after four weeks?

7. Six children collect 45 pencils. 20% of the pencils need sharpening. How many pencils need sharpening?

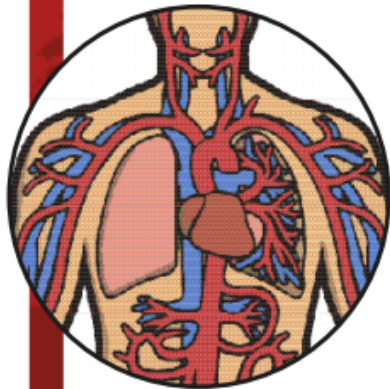
8. A football match lasts 90 minutes. One player plays 80% of the match. How many minutes does the player play?

9. There is 500g of flour left in the cupboard. 90% is needed for a cake. How much flour is needed for the cake?

10. 270 children attend a school. 60% of the children walk to school. How many children walk to school?

# The Circulatory System

The circulatory system is an essential part of our body. 'Circulatory' means something that is going on a continuous circuit. This is exactly what is happening in our bodies all the time.



## What Circulates and Why?

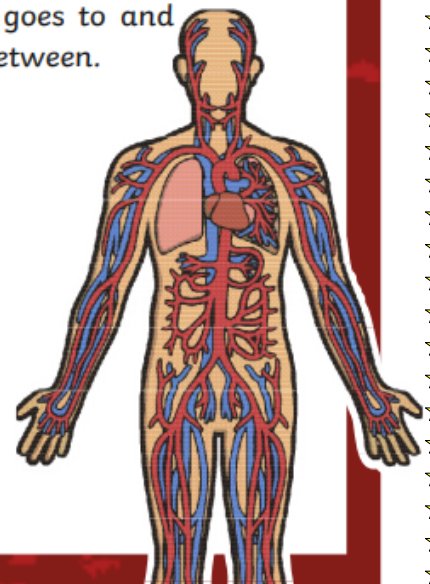
The simple answer is it's your blood that is circulated all around your body, and it is playing a really important role. Your blood takes nutrients, hormones and oxygen (O<sub>2</sub>) all around the body to all the places they are required. The oxygen gets collected into your body when we breathe in, and it goes straight to your lungs. It's in the lungs that this oxygen goes into our blood and starts its journey around the body. You could think of the blood cells a bit like delivery drivers that drop off the oxygen to where it needs to be. Oxygen is dropped off all around the body to the capillaries, which are fine blood vessels that transfer the oxygen to all the cells in the body.

## The Heart

Literally, the heart is at the heart of it all! Without the heart, no blood would get anywhere around your body. The heart is basically a big pump that constantly pumps the blood around the circulatory system. This has to happen all the time (even when you are asleep) to keep you alive. There are two loops in the circulatory system; the first goes to and from the heart, visiting the lungs to collect oxygen and get rid of carbon dioxide. The other loop is significantly longer and goes to and from the heart, but travels all around the body in between.

### Did You Know...?

- In the average person, the heart beats about 2,500,000,000 times during a lifetime.
- Amazingly, it only takes about 20 seconds for one red blood cell to go round the whole body.
- Red blood cells last approximately four months before your body renews them.

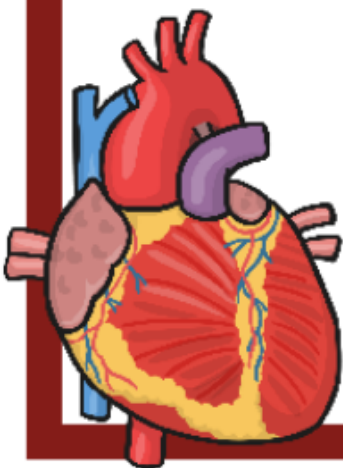


### **The Other Half of the System**

We've already talked about the blood in your system collecting oxygen, and delivering it all around the body, but it also carries out an equally important role in taking carbon dioxide (CO<sub>2</sub>) from your body and delivering it back to the lungs. The waste product is then expelled from the body when you exhale. If we think of our blood cell delivery drivers again, they also collect the waste and take it away again. So, they are delivery drivers and waste disposal agents all in one!

#### **Did You Know...?**

- If you put one adult's veins, capillaries and arteries end to end, it would stretch 60,000 miles which would circle the Earth two and a half times!





# The Circulatory System Questions

1. What word is used in the first paragraph to suggest that the circulatory system is important?

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2. Tick the boxes to say whether the statements below are **true** or **false**.

Sentence	True	False
Oxygen is dropped off all around the body through the arteries.		
The heart is basically a big pump.		
Red blood cells last about 20 minutes before your body renews them.		
The circulatory system is one big loop around your body.		

3. What do capillaries do?

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4. What are the scientific symbols for oxygen and carbon dioxide?

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5. What simile is used to describe the blood cells? Why?

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6. In 'The Heart' paragraph, what does the phrase, 'at the heart of it all' mean? Why has it been used?

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7. How many times does a heart beat in the lifetime of an average person? **Tick one.**

- 2,500
- 2,500,000,000
- 20 billion
- 25,000,000

8. Why do you think the heading 'The Other Half of the System' is used?

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9. In your own words, explain how carbon dioxide is removed from the body.

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10. What is the most interesting piece of information you have read in this text and why?

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