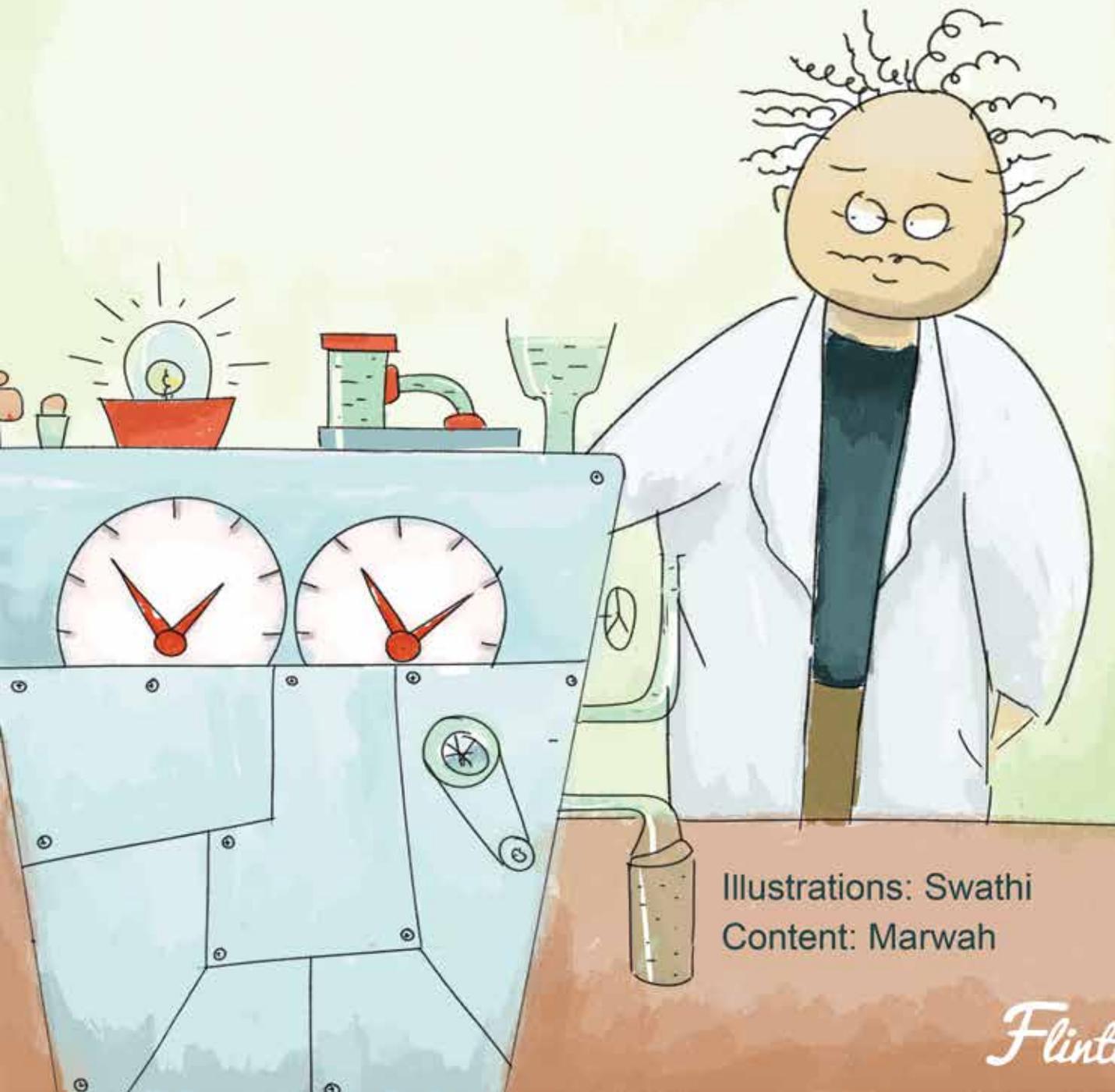


THE INVENTOR

Premium Worksheets

For 8-12 years olds



Illustrations: Swathi
Content: Marwah

Flintobox®

Index

Activity Name

Skills Acquired

Inventions Vs Discoveries

Identification, Reasoning, Cognitive

Mould It!

Cognitive, Analysis, Reasoning

Aztec Maze

Fine Motor, Problem Solving, Visual Tracking

Evolution Of Cars

Logical Reasoning, Attention, Play

Thank You Ancient Civilisations!

Analysis, Conceptual Learning, Exploration

Then And Now!

Observation, Focus, Lateral Thinking

Medieval Craftsmen

Language, Cognitive, Play

Word Maze

Problem Solving, Visual Tracking, Attention

What Is It?

Lateral Thinking, Creativity, Cognitive

Great Inventions!

Cognitive, Communication, Observation



Inventions Vs Discoveries

A discovery is something that is found or identified by a person. This thing may have already existed in nature for many years. An invention refers to something that is created by a person for a specific purpose.

Can you identify all the inventions in the room?



Did You Know?

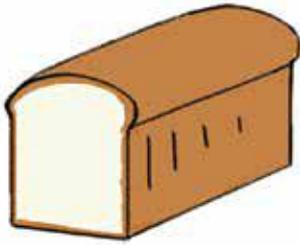
Chewing gum was discovered when a scientist was experimenting with a chicle (a tree sap) to create a substitute for rubber. He put a small piece of the sap in the mouth and began chewing — then he discovered the chewing gum!

Answers: Radio, light bulb, clock, lamps, telephones, fans, curtains, fan.

Mould It!

Moulds are empty structures that help give another substance a structure or form. Eg: a rabbit-shaped chocolate is created when melted chocolate is poured into a rabbit-shaped mould, allowed to set, and removed from the mould.

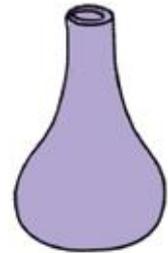
Can you identify which of the items below are made using moulds and which ones aren't?



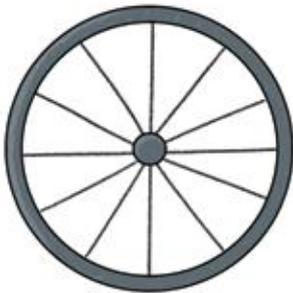
Bread



Soap



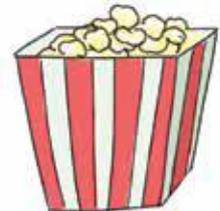
Vase



Wheel



Hand bag



Popcorn



Cake



Key



Calendar

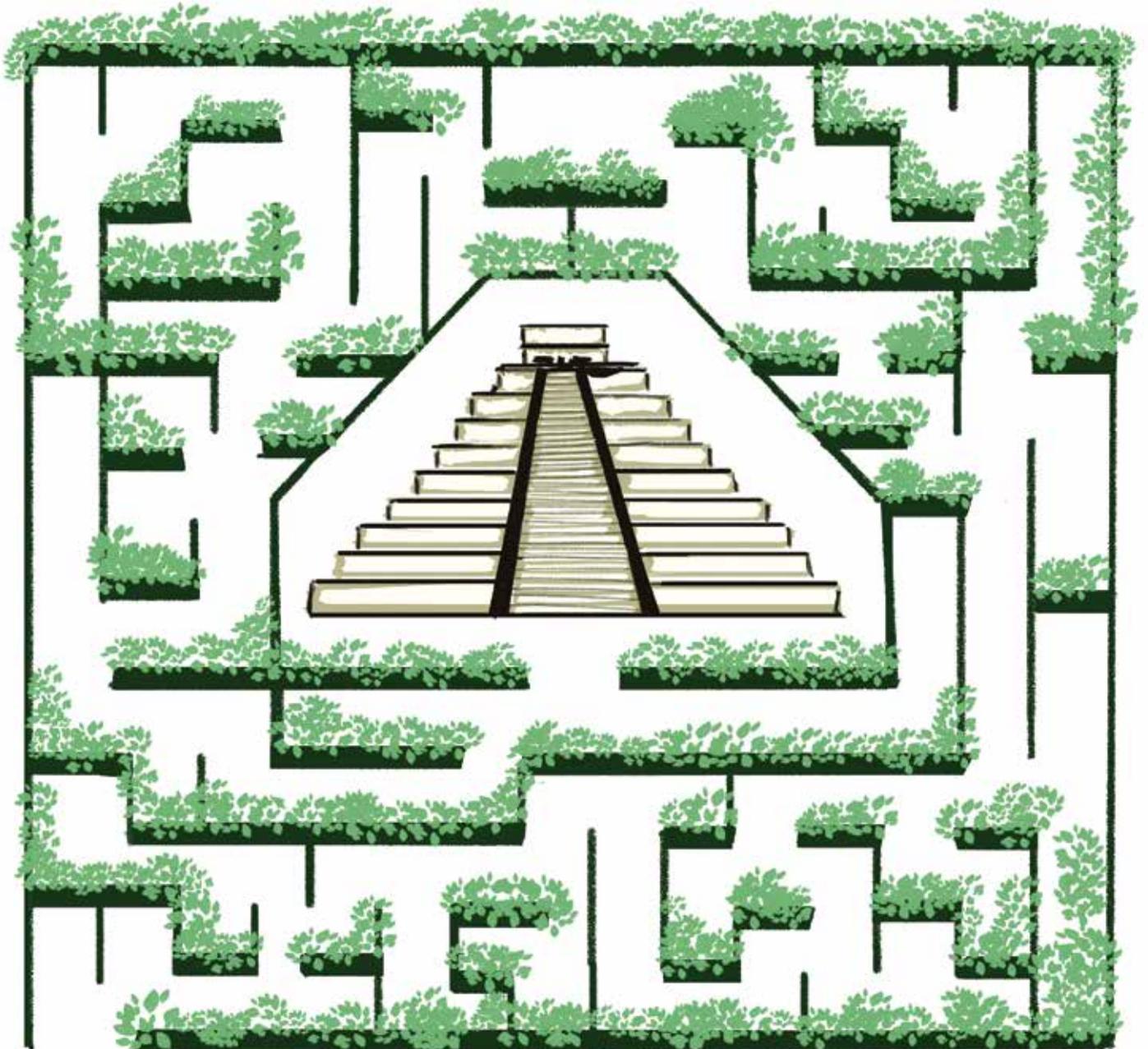
Did You Know?

The wheel, knife, and arrow were some of the earliest inventions. They were used to hunt food and move things.

Aztec Maze

Many of the things we use today were created by ancient civilisations — Chinese, Greek, Mayan, Roman, etc. One such was the Aztec civilisation. The Aztecs built many temples that were large and extremely high.

Can you find your way to the Aztec temple?



Start

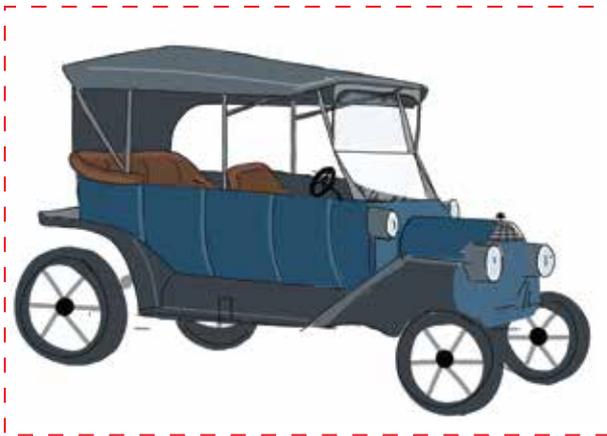
Did You Know?

Lock and key devices were invented by the Egyptian civilisation. They created them using wood.

Evolution Of Cars

Cars and vehicles are one of the most useful inventions to have ever been made! But, we have come a long way since the invention of the first car (or a car-like transport). Pictured here are cars at different time periods. Place the cars at different time periods. Place the cars in their correct order to reveal the evolution of cars.

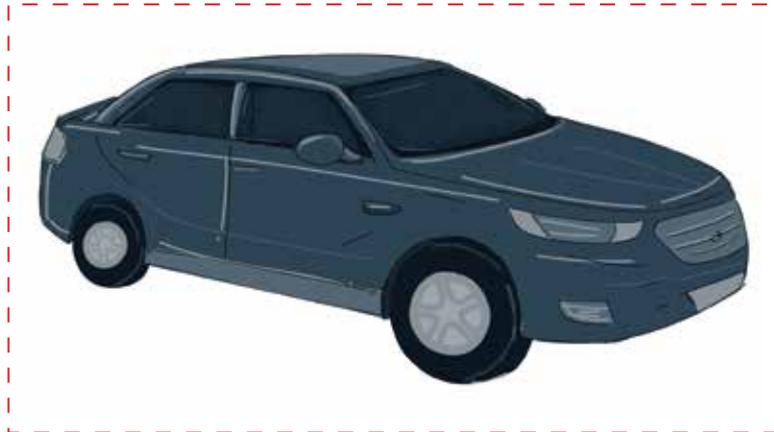
a)



b)



c)



d)



Did You Know?

Before pencil erasers were invented, people used bread to erase.

Thank You Ancient Civilisations!

Many of the products and things we use today were originally created by ancient civilisations. Here is a list of things created by a few ancient civilisations. Can you identify which item was created by which civilisation?
Hint: The names of the civilisations are given!

Aztec Civilisation

Chinese Civilisation

Mayan Civilisation

Greek Civilisation

1



Alarm Clock

This civilisation invented the alarm clock by using a system of using water clocks and making pebbles drop against drums to make a loud sound.

2



Paper Currency

Silver, copper, and bronze were commonly used to create currency. This civilisation began to make currency out of paper. This way silver, copper, and bronze could be used to make everyday things.

3



Popcorn

This civilisation had plenty of maize (corn). They were able to find many uses for corn! They used every part of the corn crop.

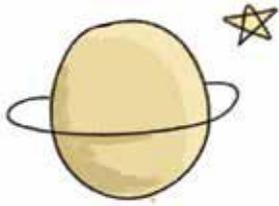
4



Calendar

This civilisation created a pyramid that was used as a calendar. This pyramid has four stairways and each one had 91 steps and one connecting platform for all four stairways at the top. The total of all the steps is 365 — the total number of days in a calendar year.

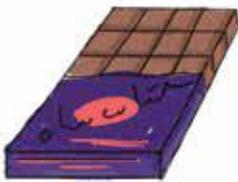
5



Astronomy

This civilisation believed that their gods talked to them through the stars, which is why they extensively studied the stars.

6



Chocolate

This civilisation used the cocoa plant a little differently — by crushing cocoa beans, chilli powder, and water. Since they had no sugar during their time, they added chilli powder to flavour the drink.

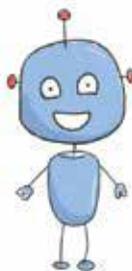
7



Kite

The earliest kites were made with bamboo, paper, and silk. This civilisation attached musical instruments to the kites and let them sway in the wind, which then created music.

8



Robot

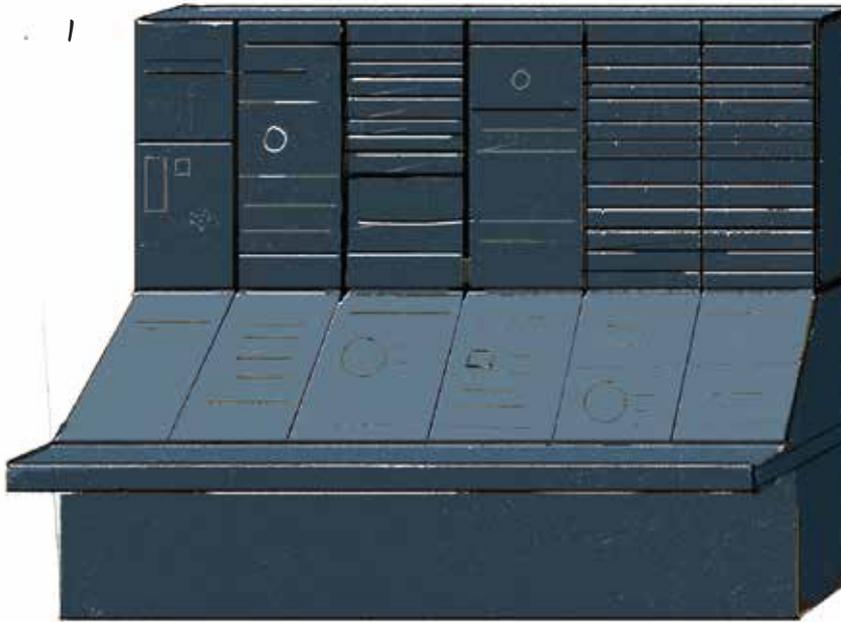
A mathematician and scientist from this civilisation invented a wooden pigeon that used steam to function and was capable of flying high!

Did you know?

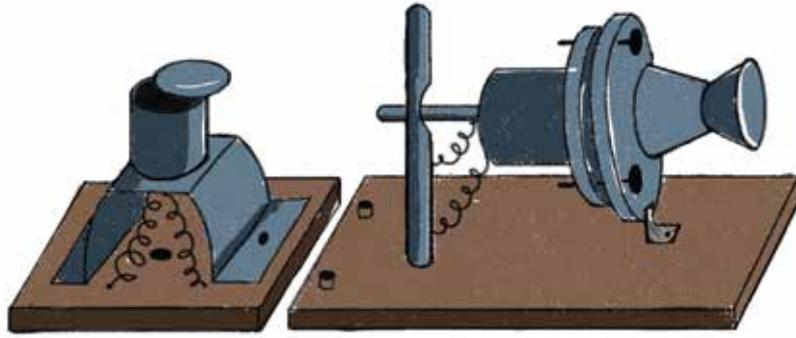
The earliest toothpaste was invented by the Egyptian civilisation. It was created by mixing rock salt, mint leaves, dried flowers, and pepper.

Then & Now!

Inventions go through so many changes! The telephone you use now definitely doesn't look like the first telephone invented. Can you identify what these items are? The things pictured look very different today.



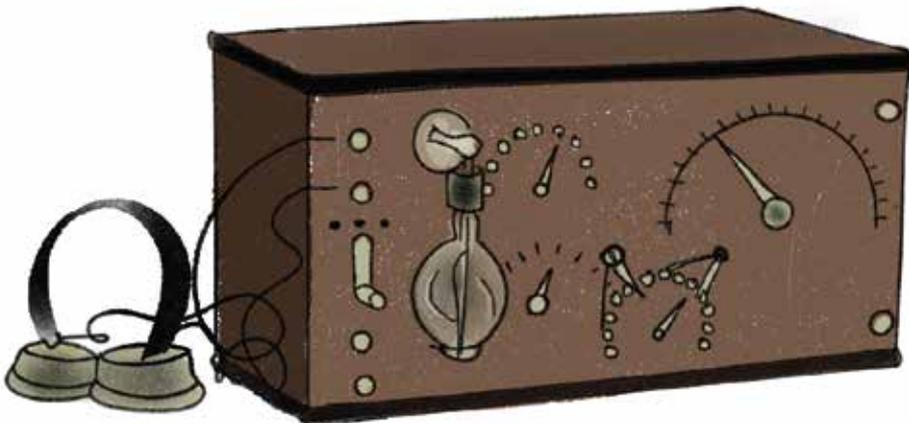
4



5



6



Did You Know?

The microwave was invented by accident! A scientist left a chocolate bar by a radar and noticed the chocolate bar had melted when he returned. He then went on to invent the microwave.

Medieval Craftsmen

At a time before shops and malls, we had people (craftsmen) who would make things for us. These things were invented and created by other people. To make sure everyone had access to them, craftsmen would make them and sell them. Complete the sentences below to find out the craft of the different craftsmen.

Cordwainer

Chandler

Armourer

Grocer

Baker

Miller

If I were in the medieval times...

1) *Uh-oh! I guess I need a new pair of shoes, I better go to the _____ to get them.*

2) *If I need some new candles, I would go to the _____. In palaces, this craftsman would also be in charge of lighting all the candles in the evening time and blowing out all the candles in the morning time.*

3) *If I am going to fight in a war, I need to go to a _____ to make my weapons.*

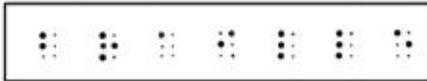
4) *If I wanted to have cake, I would buy grains from the _____, take it to the _____ to make the grains into flour and then, finally, take the flour to the _____.*

Did You Know?

The ballpoint pen was invented because its inventor would be frustrated using the ink pen that would splatter ink everywhere!

Word Maze

Often, creators name their inventions with their names! Read the facts and find the inventors names in the word maze.



A	T	S	V	U	M	E	K	I	U	T	J
U	L	A	S	Z	L	O	B	I	R	O	S
Y	T	A	P	L	K	R	M	P	U	K	I
R	X	Y	I	U	Y	M	H	U	B	O	R
T	E	A	H	L	Y	W	I	T	I	L	R
X	R	U	Y	S	J	M	Y	H	K	Y	E
B	A	L	T	I	E	H	N	E	R	A	F
L	E	V	I	S	T	R	A	U	S	S	I



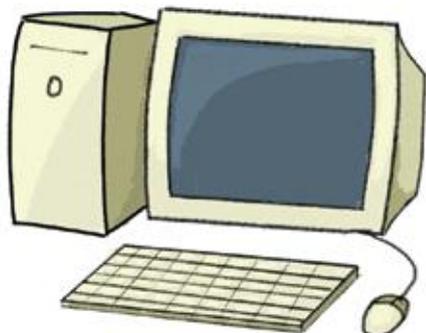
1. The ballpoint pen (also called *Biro pens*) was invented by **Laszlo Biro**.
2. Daniel Gabriel **Fahrenheit**, invented the thermometer and the Fahrenheit scale.
3. The saxophone was invented by Adolphe **Sax**.
4. Louis **Braille** invented the reading and writing system for the visually impaired — Braille.
5. **Levi Strauss** invented blue jeans. He started the popular blue jeans company — Levis.
6. George Washington **Ferris** invented the ferris wheel.
7. The Rubik's cube was invented by Erno **Rubik**.

Did You Know?

The colour 'mauve' was discovered by a chemist who was trying to create a cure for malaria.

What Is It?

Some people have put together two inventions to create a new invention! Uncover these inventions by putting together two inventions pictured below.



Computer



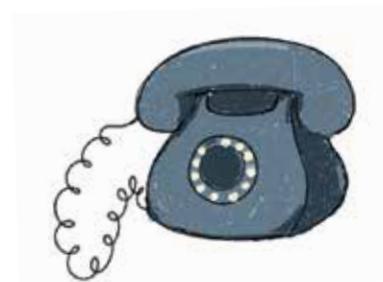
Radio



Shoes



Wheels



Telephone



Book



Camera



Clock

1) _____

3) _____

2) _____

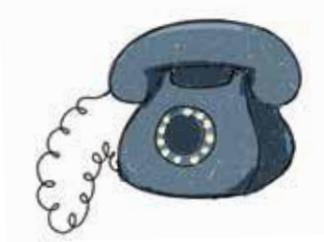
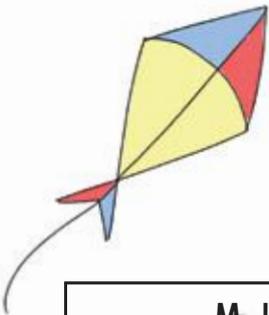
4) _____

Did You Know?

Peanut butter was invented by a doctor as a protein source for people with no teeth.

Great Inventions!

All inventions were invented with a purpose. List down the different inventions that help make life easier, better, or more entertaining for us!



Make Life Easier	Helps Gain Knowledge
<i>Eg: Escalator</i>	<i>Eg: Dictionary</i>
Offers Entertainment	Saves Life
<i>Eg: Television</i>	<i>Eg: X-ray machine</i>

Did You Know?

Traffic lights were invented before cars were invented. Traffic lights were used for the horse-drawn carriages.

Take a look at our super exciting Flintobox themes



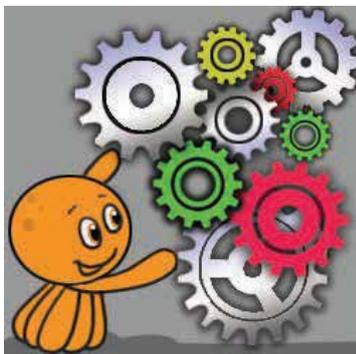
Incredible Optics



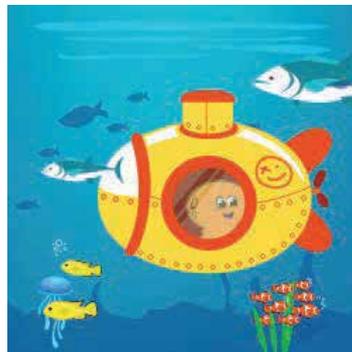
Design Mania



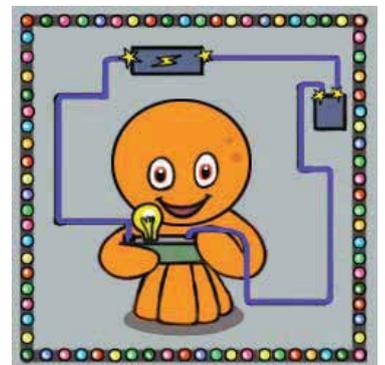
Secret Agent



Marvellous Mechanics



Ocean Navigator



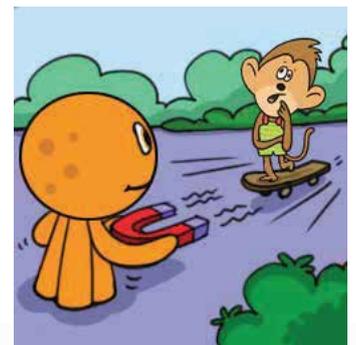
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Everyday Science



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