

# the puzzles

I

**Find the hidden animal names in the sentences below...**

- A. The flaming oven was too hot to touch!
- B. You'll only get back in time if you go at top speed!
- C. Each category has ten questions!
- D. Ali once thought the world was flat!
- E. Jonny rattled his toy all day!
- F. Tim loved to do good deeds!
- G. The helicopter was flying high above the traffic accident!
- H. Kim iced the birthday cake she had made for her brother's birthday!

**Look at these five rainbows.  
What difference can you see in one of them?**

2

A



B



C



D



E



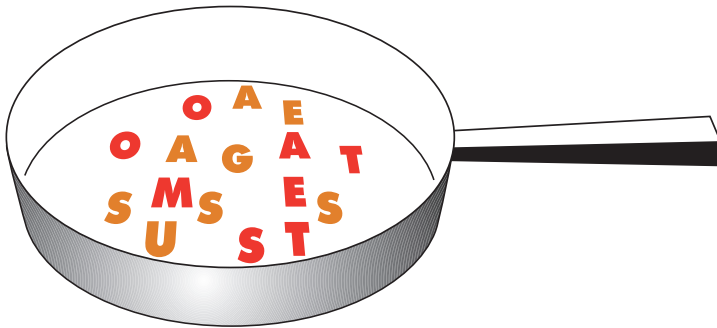
# 3

There are six words below. The first half of each word is on top - can you match it the other half below?

Comb	Merc	Hyd	Back	Arith	Pat
iful	matic	tern	ground	ination	rated

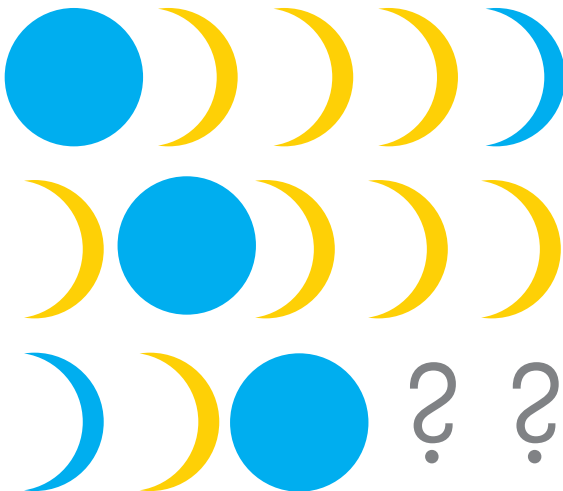
Can you work out what Joel had for his tea?

# 4

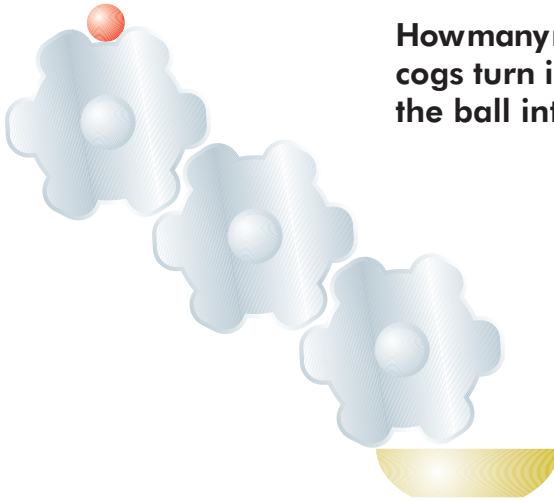


# 5

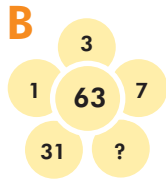
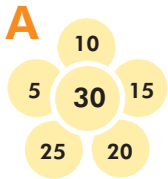
Can you finish the moon pattern on the bottom row?



# 6

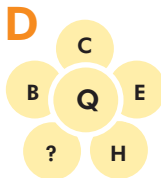
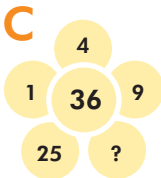


How many notches must the cogs turn in order to drop the ball into the bowl?



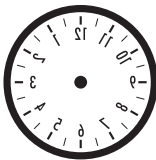
Can you work out the missing numbers. 'A' gives you an example.

# 7

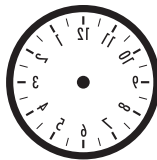


# 8

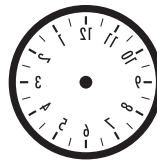
Put the hands on the clock based on the digital time underneath, but as if you were looking at the clock in a mirror!



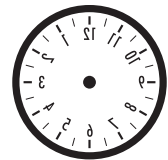
4:45



8:05

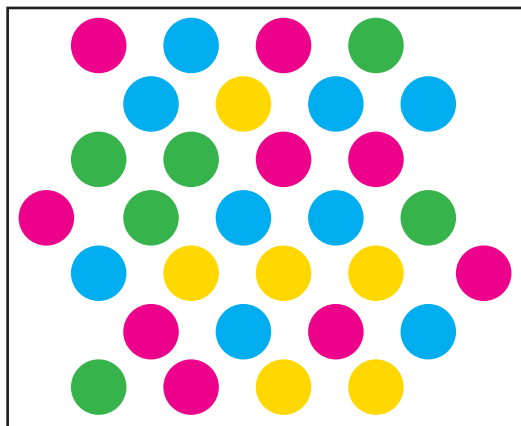


11:50



1:20

# 9



What percentage of the dots are blue?

bar

n  t

wh

ond

ar

c  n

ob

eed

Fill out the missing letters to find the missing word!

# 10

# 11

Fill out the missing letters to find the missing word!

other

s  n

li  ten

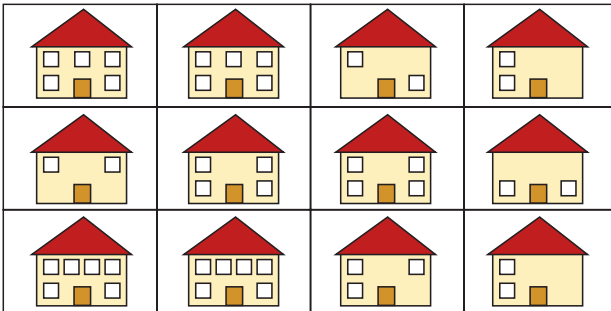
gloo

basi

# Visual Memory Games!

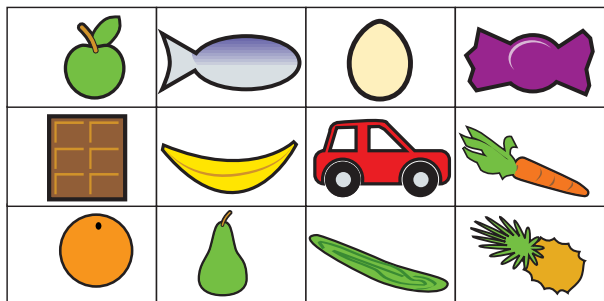
Here is a series of six images. Take each one in turn and give yourself 30 seconds to stare at the picture and take in all of the information that you can see. Then turn over the page and give yourself 15 seconds to try and answer the question about the picture. The answers are at the back of the book!

## 12 image 1



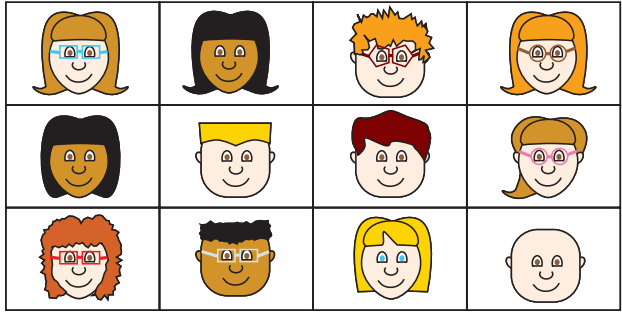
## 13 image 2

## 14 image 3



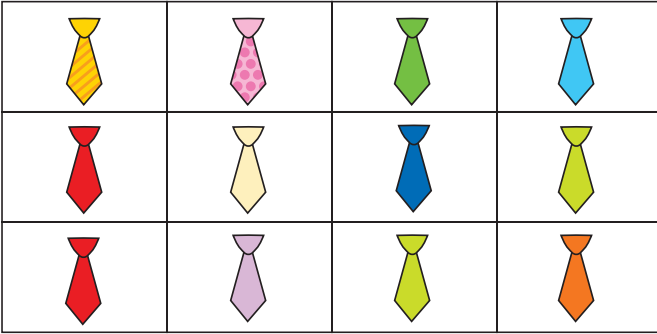
# 15

★ image 4



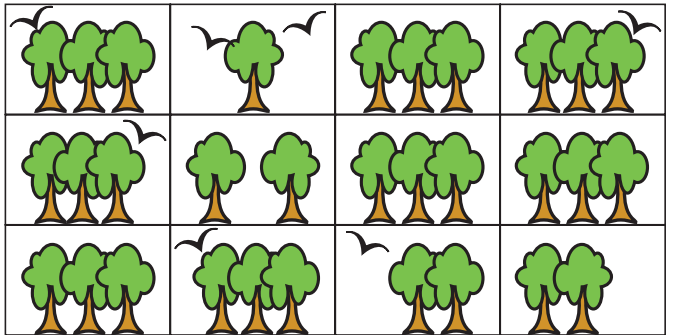
# 16

★ image 5



# 17

★ image 6



### question for image 1:

How many of the words in the grid were printed in a colour that did not match the word shown?

### question for image 2:

Starting with the highest number, put the three rows (top row, middle row, bottom row) in the right order, according to the total number of windows shown in each row.

### question for image 3:

How many of the items in the grid contain a letter 'A' in their name?

### question for image 4:

How many of the people wearing glasses also have blue eyes?

### question for image 5:

Describe the tie in each of the four corners of the grid.

### question for image 6:

How many of the images in the grid contained less than three trees and at least one bird?

# Codebreaker Puzzles!



Can you work out the following text messages by looking at the keypad on the telephone.

## 18

343 968 92824 843 36682255  
62824 8447 238376666?

## 19

4 26 7866464 3483 6468837  
5283!

753273 226 968 4483 63 2 2255!  
4 6333 86 275 968 766384464.

## 20





48 five-a-side football teams enter the Palace Cup. There are six teams in each play-off group.

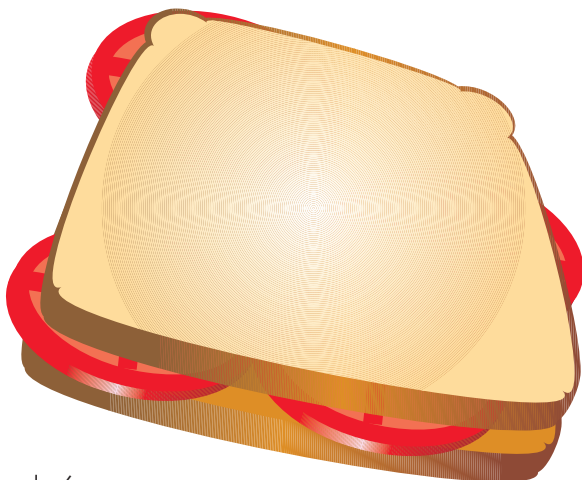
The teams must play each of their group opponents twice. The winners then play a quarter-final followed by a semi-final and the final.

# 21

**How many games will the winning team have played?**

# 22

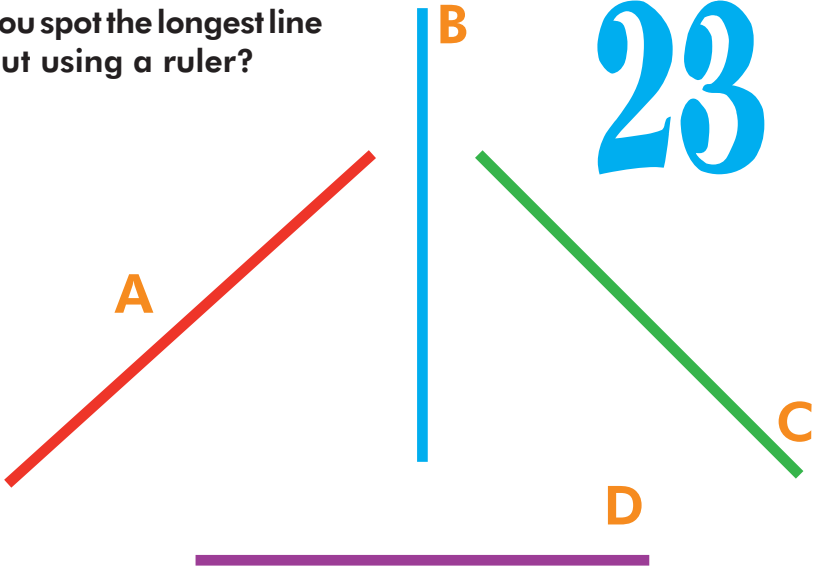
Martin is a scout leader and is taking his scouts on a mountain hike. He has made 6 marmalade sandwiches, 7 jam sandwiches and 5 tuna sandwiches and he has used 2 slices of bread per sandwich.



**How many slices of bread has Martin used in total?**

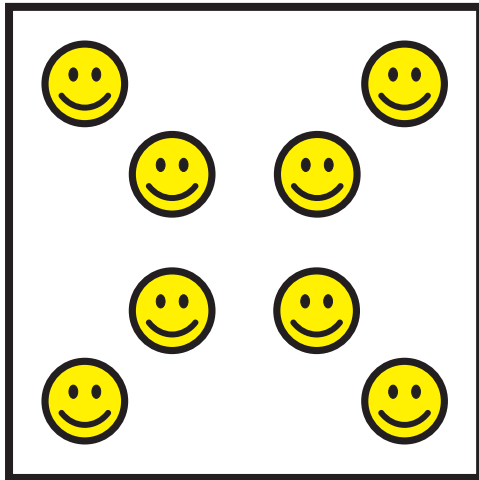
**There are 8 slices of bread in each loaf, how many loafs has Martin used to make the scouts sandwiches?**

Can you spot the longest line without using a ruler?



24

Can you place six straight lines in the box below so that each smiley face is inside a triangle?



# 25

Which option should go at the bottom?

○	○	○
○	○	□
○	□	□
□	□	□
□	□	△
□	△	△
△	△	△
△	△	○

Option A

△	△	□
---	---	---

Option B

△	○	○
---	---	---

Option C

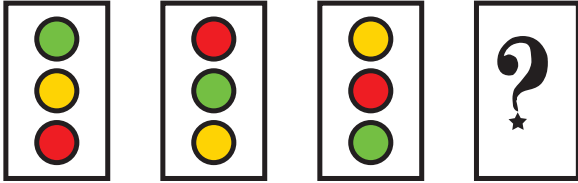
○	△	□
---	---	---

Option D

□	○	□
---	---	---

# 26

What comes next in the sequence?



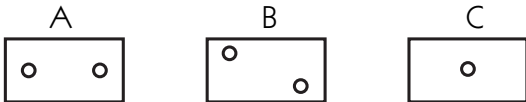
Choose from the following



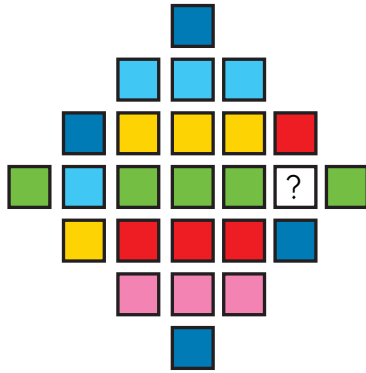
What comes next in the sequence?



# 27



What colour is the missing square?



28

For puzzles 29-31, read through each of the sentences below and then time yourself 30 seconds to try and work out the answer!

29

Paul is 5 and goes to bed at 6 o'clock every evening. His older sister Olivia is 7 and doesn't go to bed until 7 o'clock. Melanie is 13 and goes to bed two and a half hours after Paul. Stephen is 9 and goes to bed one hour after Olivia. Who goes to bed latest?

Jack has seven pets, and he is taking them for a walk on one long lead. Nearest to Jack is the crocodile. After Snappy the crocodile is a small grey rabbit and next is a giraffe. The last and furthest animal on the lead is a hippopotamus, behind which is a donkey, and behind that a kangaroo and then a shrew. Which animal is two in front of the giraffe?

30

31

Laura is given twelve presents at her birthday party on Sunday. She lets her sister open two, and her brother opens four. She then opens one present on the first day, two on the second day, three on the third day etc. How many days will it take for her to open all her presents?

# the answers

- 1 A. The **flaming** oven was too hot to touch!  
B. You'll only get back in time if you **go at** top speed!  
C. Each **category** has ten questions!  
D. **Ali once** thought the world was flat!  
E. Jonny **rattled** his toy all day!  
F. Tim loved to **do good** deeds!  
G. The helicopter was **fly**ing high above the traffic accident!  
H. **Kim iced** the birthday cake she had made for her brother's birthday!
- 2 Rainbow number 4 has an extra line of colour, changing the pattern
- 3 Combination, Merciful, Hydrated, Background, Arithmetic, Pattern
- 4 Sausages and tomatoes
- 5 Yellow crescent, yellow crescent
- 6 Six notches in total
- 7 B = 15 (double the number and add 1 each time), C = 16 ( $1^2, 2^2, 3^2, 4^2$  etc), D = L (jump 1 letter, 2 letters, 3 letters and so on) and E = any three letter word starting with a 'T'. From the word 'why' each following word starts with the final letter of the previous word.

8



4:45



8:05



11:50



1:20

9

30%

10

KEYBOARD

11

MUSIC

12

**image 1:** Five

13

**image 2:** Bottom, Top, Middle

14

**image 3:** Eight

15

**image 4:** None

16

**image 5:** Top Left: Yellow with orange stripes. Bottom Left: Plain red. Top Right: Plain light blue. Bottom Right: Plain orange.

17

**image 6:** Two

18

Did you watch the football match this afternoon?

19 I am running five minutes late!

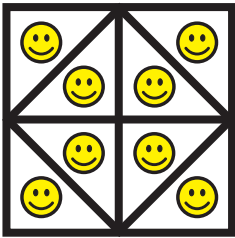
20 Please can you give me a call! I need to ask you something.

21 13 games

22 36 slices of bread. 4 and a half loaves of bread

23 A is 6.5cm long the others are 6cm long

24



25 B (Look at the diagonal pattern formed)

26 B (The pattern just repeats itself)

27 B (The circles move around 45 degrees anticlockwise at a time)

28 Pink (The pattern is Green Yellow Blue Navy Pink Red and goes from bottom to top starting with green on the left side)

29 Melanie

30 Kangaroo

31 Three