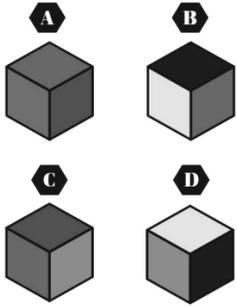
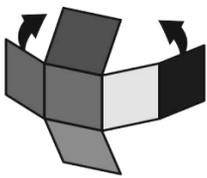


## CUBE IT!

The six-sided shape below can be folded to form a cube. Only two of the cubes below can be made by it. Which are they?

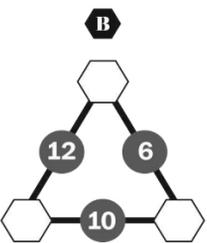
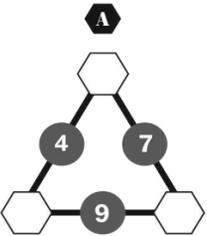


## NUMBER TRIANGLES

In the triangles below, the numbers inside the red circles are the sums of the two numbers in the connected white hexagons. For example:



Can you figure out which number should appear in each of the hexagons? All the numbers in the hexagons are between 1 and 10, and a number can only be used once in each of the triangles.



## SPOT THE DIFFERENCE

Can you spot all 20 differences between these two space-themed illustrations?

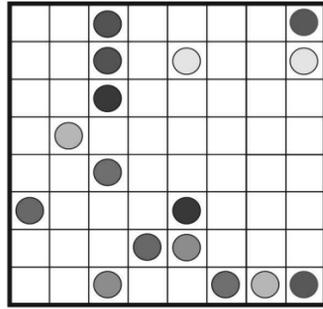


# PUZZLES & GAMES!

Test your family's brainpower by tackling these mind-boggling challenges. If you get stuck, you can find the answers at: [whatonearthmag.com/answers](http://whatonearthmag.com/answers)

## CONNECT THE DOTS

Draw a line to connect each pair of dots. You can't use diagonal lines and the lines can't cross or touch each other. You must fill the whole grid with lines but only one line is allowed in each square.



## LINK WORDS

A link word is a word that can be added to the end of one word and the start of another word to create two new words. For example, the word FRIEND can be added to the end of GIRL to create GIRLFRIEND, and also added to the start of SHIP to create FRIENDSHIP.

### GIRL FRIENDSHIP

Can you think of link words that fill the gaps below and create two new words in each case?

AIR \_\_\_\_\_ HOLE

HORSE \_\_\_\_\_ FLIP

NEWS \_\_\_\_\_ BOY

## SUDOKU

Fill all the empty squares so that every row, column, and 3x2 box contains each of the numbers 1 to 6.

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

## QUICK QUIZ

### ANIMALS

**1** Which is the only species of big cat that cannot roar?  
a. Tiger  
b. Lion  
c. Cheetah  
d. Leopard

**2** Relative to its size, what is the world's strongest animal?  
a. Gorilla  
b. Elephant  
c. Leafcutter ant  
d. Dung beetle

**3** How many brains does a jellyfish have?  
a. None  
b. One  
c. Three  
d. Eight

**4** Hummingbirds are the only birds that can...?  
a. Blink  
b. Fly backwards  
c. Lay eggs  
d. Quack



**8** Which is the only planet in our solar system that rotates on its side?  
a. Saturn  
b. Venus  
c. Uranus  
d. Neptune

**9** The flower with the largest bloom, shown at right, is called *Rafflesia arnoldii*. What does this giant flower smell of?  
a. Rotten eggs  
b. Rotten flesh  
c. Chocolate  
d. Cotton candy

**10** What is found at the center of our galaxy, the Milky Way?  
a. A star  
b. A planet  
c. A black hole  
d. Empty space

### HUMAN WORLD

**11** How many panels are there on a full-size soccer ball?  
a. 24  
b. 30  
c. 32  
d. 36

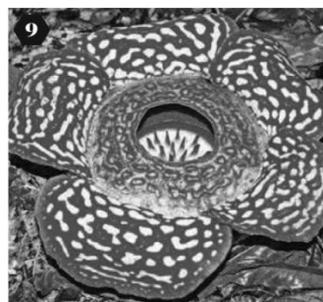
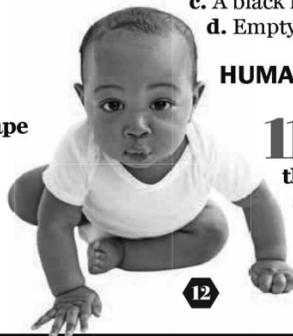
**5** How long can a cockroach live without a head?  
a. 2 hours  
b. 2 days  
c. 2 weeks  
d. 2 months

### SPACE & NATURE

**6** What percentage of all the water on Earth is found in the ice caps, snow and glaciers?

a. 1.7 per cent  
b. 7 per cent  
c. 11 per cent  
d. 17 per cent

**7** What common geometrical shape are all the cells in a beehive's honeycomb?  
a. Round  
b. Square  
c. Triangular  
d. Hexagonal



**12** From around what age are babies able to see color?  
a. 1 month  
b. 3 months  
c. 5 months  
d. 9 months

**13** In which European country was LEGO invented?  
a. Spain  
b. Germany  
c. Sweden  
d. Denmark

**14** In which year was the world's first chocolate bar made and sold?  
a. 1747  
b. 1847  
c. 1927  
d. 1947

## What on Earth! Magazine

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