# Today is 2 / 2 / 22!

Α

В

С

D

Ε

F

2277



$$\cdot 2 + 2 + 22 = 26 \cdot 26 = 5^{2} + 1^{2} = 8^{2} - 7^{2} + 6^{2} - 5^{2} = 1 + 3 + 4 + 5 + 6 + 7 = ......$$



Below is part of a very big multiplication grid with some squares filled in (eg B x J = 2142) a. Can you work where the number 2222 goes? b. Fill out the rest of the row and column of that square c. What numbers do the letters A - L represent?

2142

2369

2600



#### Today is 2/2/22!

## Today's BIG birthdays... Is it your birthday today? Happy birthday, especially if you're turning 22!

However, you may have a birthday today without realising it! Look at the list of Big Birthdays below. They all happen today! Ponder for a minute how many seconds, minutes and hours you've been alive for and then look at the questions beneath the table. Big Birthdays on 2/2/22 Age now (yrs) 02/03/2014 Today turning: 31/07/2012 8 250 million seconds 06/09/2010 9 5 million minutes 26/05/2008 11 30/03/2006 100,000 hours 13 28/01/2003 5,000 days 15 500 million seconds 28/04/1998 19 10 million minutes 17/09/1994 23 750 million seconds 27/07/1993 27 26/05/1990 10,000 days 28 250,000 hours 22/07/1974 31 1 billion seconds 02/05/1967 47 1.5 billion seconds 18/01/1965 54 17/09/1958 20,000 days 57 500,000 hours 13/11/1942 63 2 billion seconds

1. Do you know anyone with birthdays on these days?

81

Make sure you let them know they're celebrating a big birthday! 2. Which big birthday on the list will you next have? Can you work out what date it will be? 3. If someone is turning 2222 days old today, what is their date of birth?

2.5 billion seconds

Magic Square This is a magic square. Each row,

column and diagonal adds to 2222.



ematicalo



Harder: The circles are products of the adjoining 2 squares. What's a, b & c now?

## Today is 2 / 2 / 22!

#### 2222 arithmetic

- 1. Can you work these out?
  - a. 2 + 2 + 2 + 2 =b. 2 - 2 - 2 - 2 =c.  $2 \times 2 \times 2 \times 2 \times 2 =$ d.  $2 \div 2 \div 2 \div 2 =$ e. 2 + (2 + (2 + 2)) =
  - f. 2 (2 (2 2)) =
  - g.  $2 \times (2 \times (2 \times 2)) =$
  - h.  $2 \div (2 \div (2 \div 2)) =$

Were you surprised by any of your results? Which ones, and why?

- 2. By using different operators (+, , x, ÷) can you make each of these equations work?
  - a. 2 2 2 = 2
  - b. 2 2 = 2 2
  - c. 2 = 2 2 2



### **ANSWERS NEXT PAGE...**

## **ANSWERS (1/2)**



#### TODAY'S very BIG BIRTHDAYS ....

 Do you know anyone with birthdays on these days? Varies Make sure you let them know they're celebrating a big birthday!
Which big birthday on the list will you next have? Can you work out what date it will be? Varies
How old in years would someone be who turned 2222 days today?

#### Magic Square

<63	5/9	550	1.06	-start
	049	220	200	here!
552	558	557	555	
556	554	553	559	
551	561	562	548	

#### What's a, b & c ?



Addition: a = -9, b = 11, c = 11Multiplication:  $a = \frac{2}{\sqrt{22}}$ ,  $b = c = \sqrt{22}$ 



### ANSWERS (2/2)

1. Can you work these out? a. 2 + 2 + 2 + 2 = 8b. 2 - 2 - 2 - 2 = -4c.  $2 \times 2 \times 2 \times 2 \times 2 = 6$ d.  $2 \div 2 \div 2 \div 2 = 4$ e. 2 + (2 + (2 + 2)) = 8f. 2 - (2 - (2 - 2)) = 6g.  $2 \times (2 \times (2 \times 2)) = 6$ h.  $2 \div (2 \div (2 \div 2)) = 6$ 

> Were you surprised by any of your results? Which ones, and why? ate are the same 'Ctg are the same but btf are different'; dth are different.

2. By using different operators (+, - , x,  $\div$ ) can you make each of these equations work?

- a. 2 2 2 = 2 2+2-2=2; 2×2÷2=2
- b. 2 2 = 2 2 2×2 = 2+2
- c. 2 = 2 2 2 2 = 2+2-2; 2=2×2÷2

**END** 

