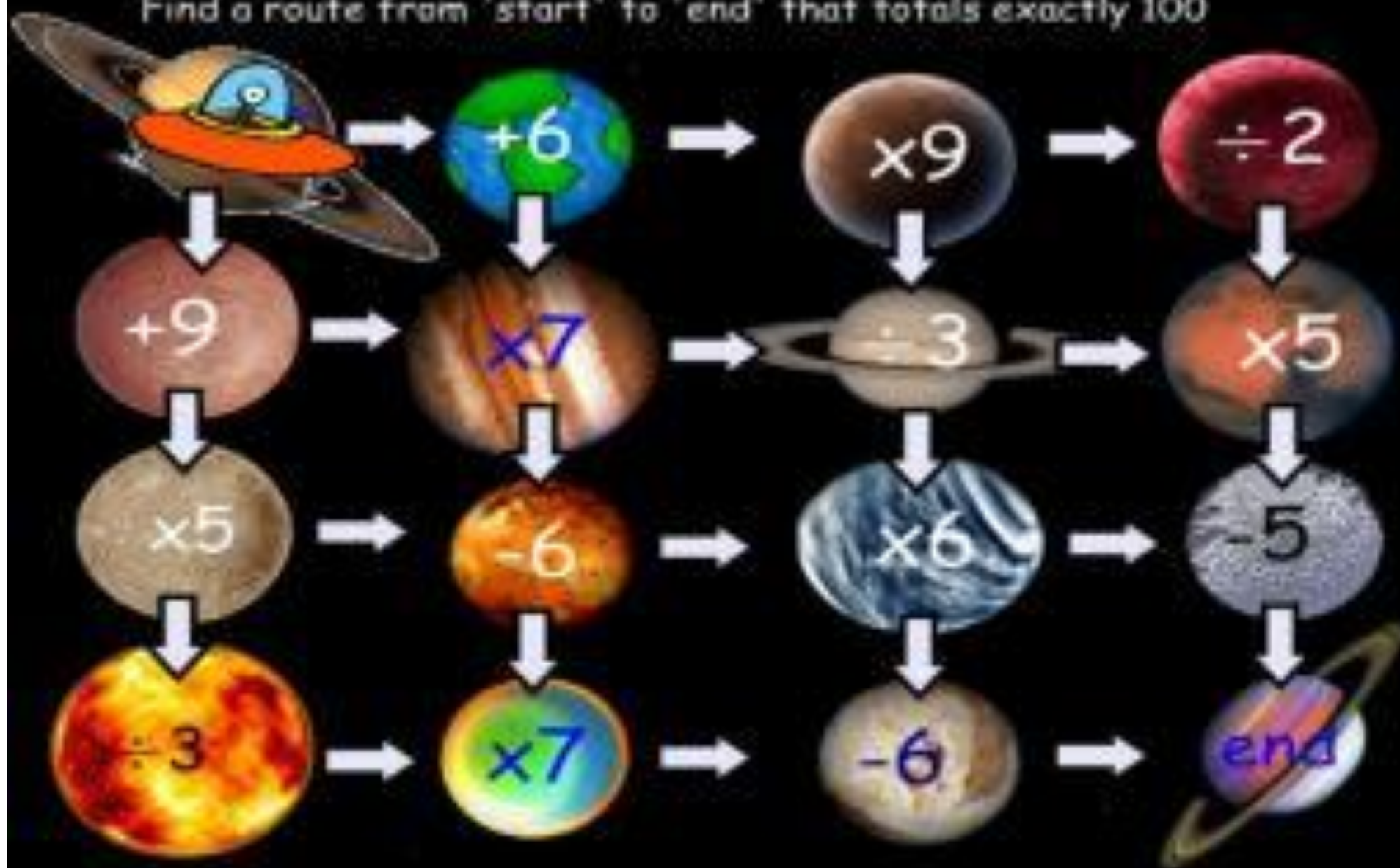Start with 0.
Find a route from 'start' to 'end' that totals exactly 100

Which route has the highest total?
Which route has the lowest total?

Can I solve word based number problems?

27.01.2021

Zods have 9 spots.

Zids have 4 spots.

Altogether some Zids and Zods have 48 spots. How many Zids are there?

Think about how you could solve this problem. Are you going to use jottings? Are you going to draw diagrams? Are you going to use calculations? Are you going to put your ideas into a table?

What do we know?

What do we want to find out?

4 - Zids

9 - Zods

48 = ?

9 + 9 + 9 + 9 + 9 + 9 = 54 X

9 + 9 + 9 + 9 + 9 + 4 = 49 X   ?

9 + 9 + 9 + 9 + 4 + 4 =

9 x 6 =

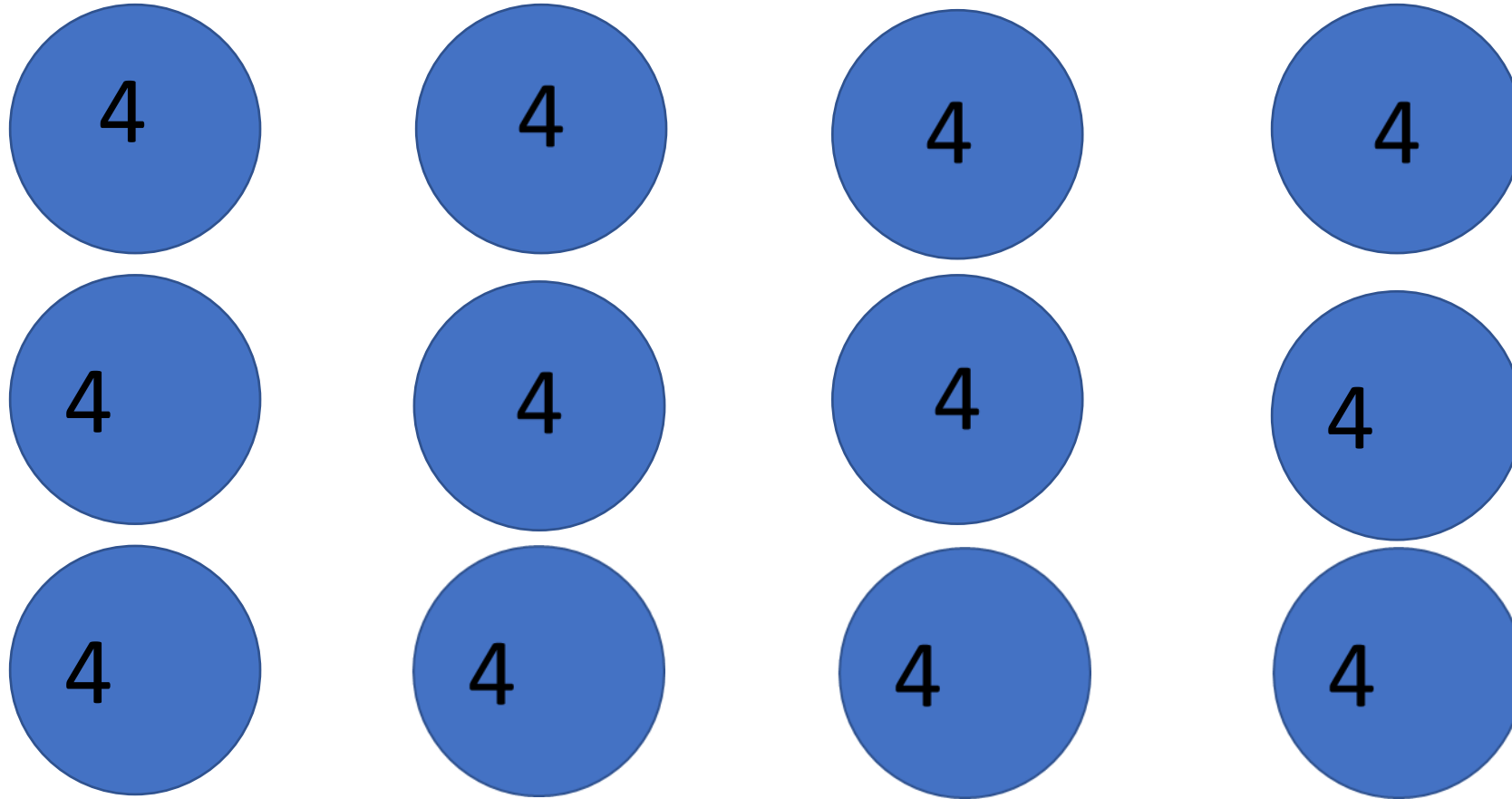9 x 5 =

9 x 4 =

4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 =

4 X 12 =

Zids	Spots	Zods	Spots
1	4	1	9
2	8	2	18
3	12	3	27

Choose the method that works for you.
Can you find more than one solution?

What if Zids have 5 spots, Zods have 7 spots, and there are 140 spots altogether?

Find as many solutions as you can. This could be only Zids; only Zods; and a combinations of them both. Are you going to solve this problem in the same way as Q1 or is there a better method?

Please share your working out with me.