

## PLACE VALUE CONVERSION 4-DIGITS SHEET 1

As we move a place to the left on the place value chart, the value gets ten times bigger.

**3 tens = 3 ones x 10 = 30 ones.**

**3 hundreds = 3 tens x 10 = 30 tens (or 300 ones)**

**3 thousands = 3 hundreds x 10 = 30 hundreds (or 300 tens)**

Th	H	T	O
			3
		3	0
	3	0	0
3	0	0	0

*Work out these missing conversion facts*

1)	5 hundreds = _____ ones	2)	60 ones = _____ tens
3)	7 thousands = _____ hundreds	4)	30 tens = _____ hundreds
5)	60 ones = _____ tens	6)	3 thousands = _____ hundreds
7)	50 hundreds = _____ thousands	8)	1 thousand = _____ ones
9)	8 hundreds = _____ ones	10)	40 ones = _____ tens
11)	4 thousands = _____ tens	12)	80 hundreds = _____ thousands
13)	30 tens = _____ ones	14)	_____ hundreds = 400 ones
15)	70 tens = _____ hundreds	16)	5 hundreds = _____ tens
17)	60 tens = _____ hundreds	18)	4000 ones = _____ thousands
19)	50 tens = _____ ones	20)	4000 ones = _____ hundreds
21)	_____ thousands = 200 tens	22)	_____ hundreds = 9 thousands

**PUZZLE TIME – find the answer to the riddle below in the table!**

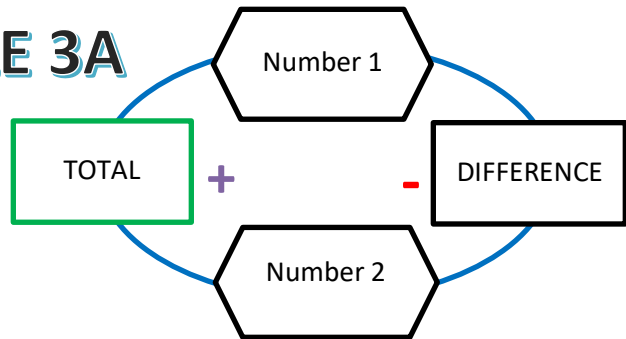
- I am worth more than 30 hundreds.
- I am less than 7000 ones.
- My tens digit is greater than my ones.
- I am a multiple of 5.
- Who am I?

3726	5290	6423
7185	4428	5925

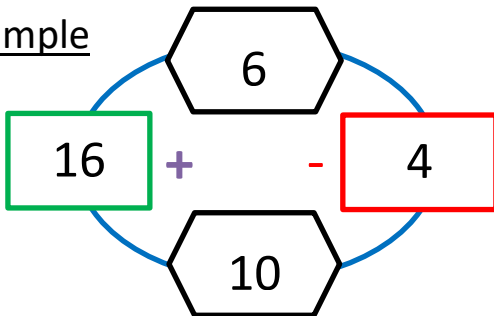


# TOTAL DIFFERENCE PUZZLE 3A

This is how the puzzle works! →

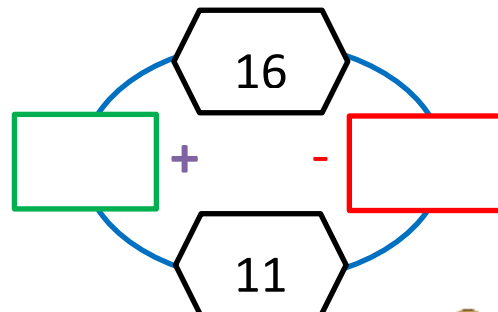
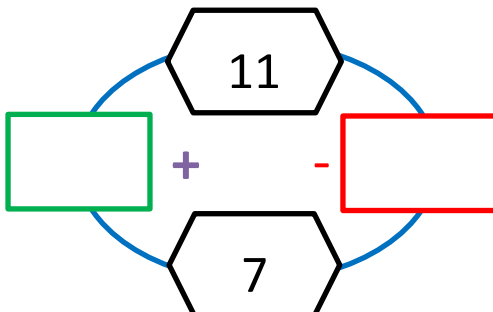
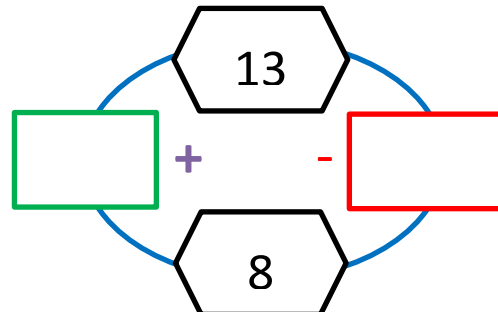
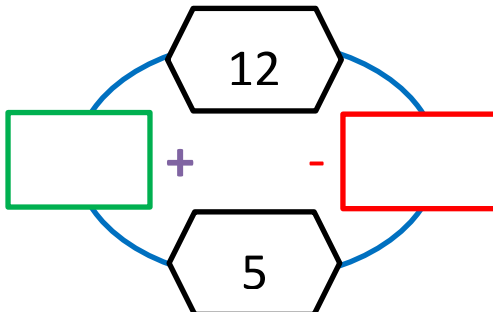
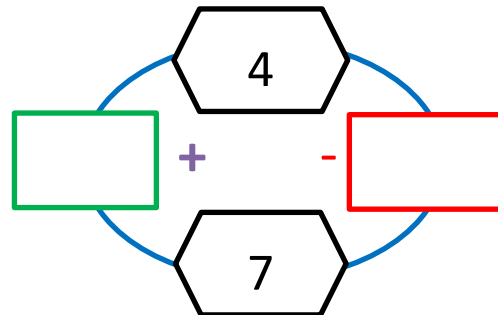
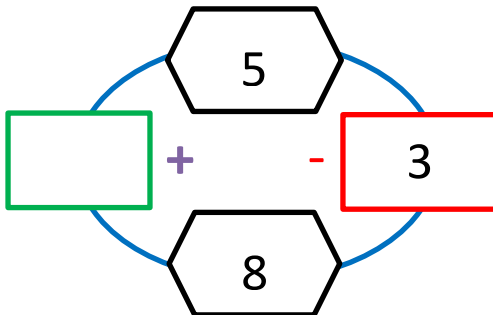


Example

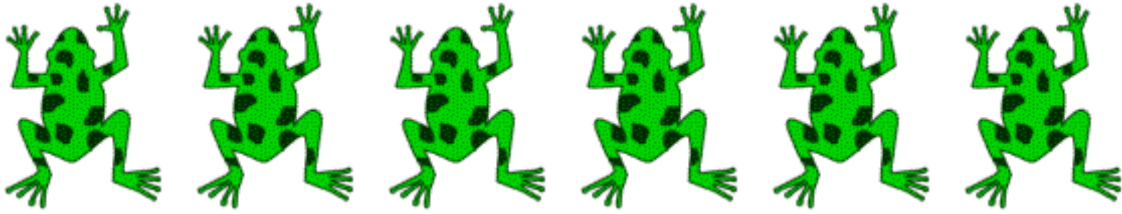


Remember - the **difference** is always **positive**!

Work out the missing numbers in these puzzles.



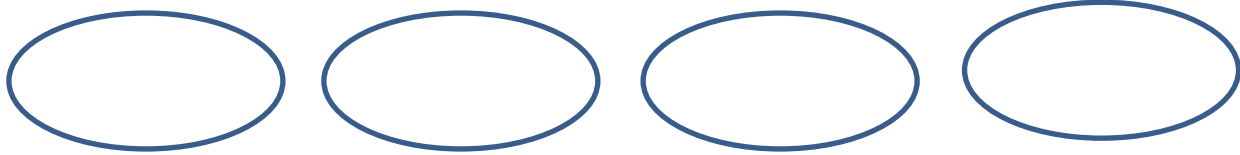
## FROGS IN PONDS



In each of the challenges below, there has to be a total of 22 frogs!

### Challenge 1

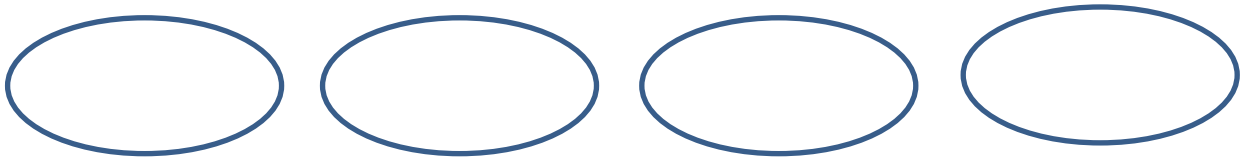
Fill each pond with either 4 or 6 frogs.



*Total: 22 frogs*

### Challenge 2

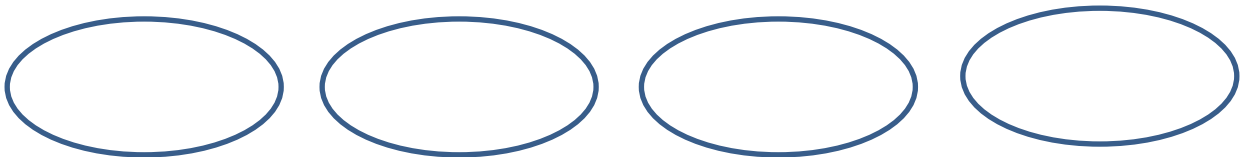
Make each pond hold one less frog than the one before.



*Total: 22 frogs*

### Challenge 3

Make each pond hold a different odd number of frogs.



*Total: 22 frogs*



## MULTIPLICATION: 2 DIGITS BY 1 DIGIT SHEET 1

Multiply a 2-digit number by 2, 3, 4 or 5.

$$\begin{array}{r} 1) \quad 32 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 25 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 13 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 16 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 25 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 23 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 86 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 83 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 95 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 76 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 38 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 57 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 40 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 89 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 29 \\ \times \quad 3 \\ \hline \end{array}$$

## FRACTION RIDDLES 3A

Use the clues to find the correct fraction from the 6 possibilities.

### CHALLENGE 1

- I am smaller than a half.
- My numerator is one.
- My denominator is more than 3.
- I am more than a fifth.

Who am I? \_\_\_\_\_

A $\frac{1}{2}$	B $\frac{1}{4}$	C $\frac{2}{3}$
D $\frac{1}{3}$	E $\frac{3}{4}$	F $\frac{1}{6}$

### CHALLENGE 2

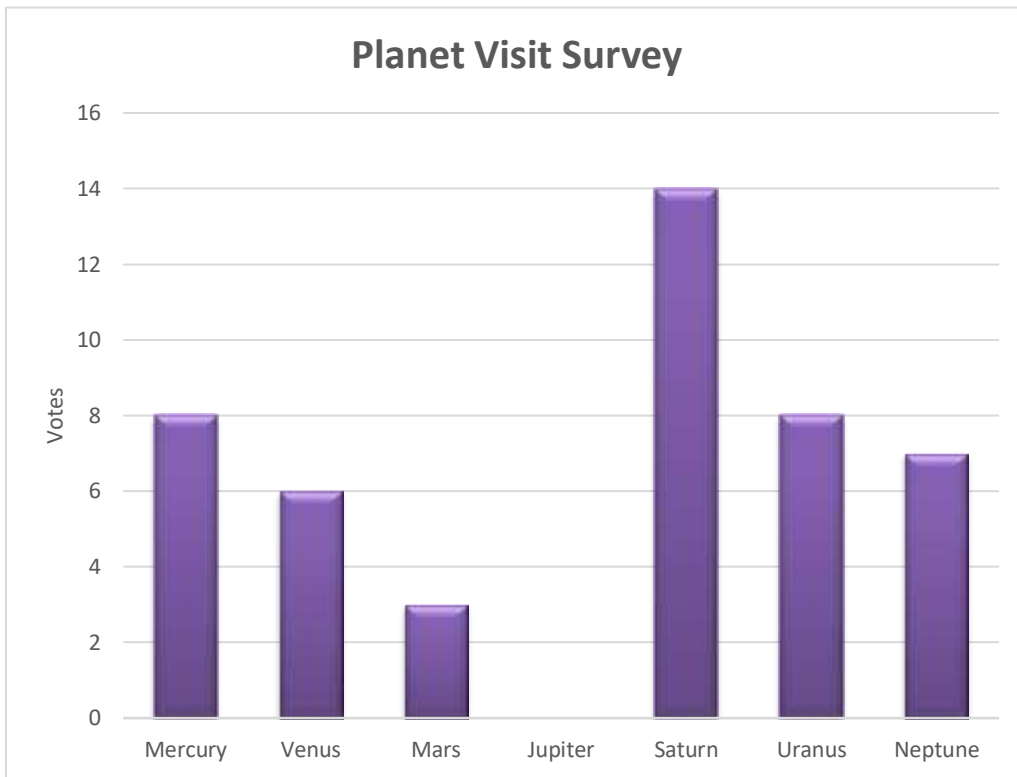
- I am more than  $\frac{1}{4}$ .
- My denominator is not 4.
- I am not less than a half.
- My numerator more than 1.

Who am I? \_\_\_\_\_



## BAR GRAPHS SHEET 3A - PLANET SURVEY

Each child in Newt class selected two planets that they would like to visit.

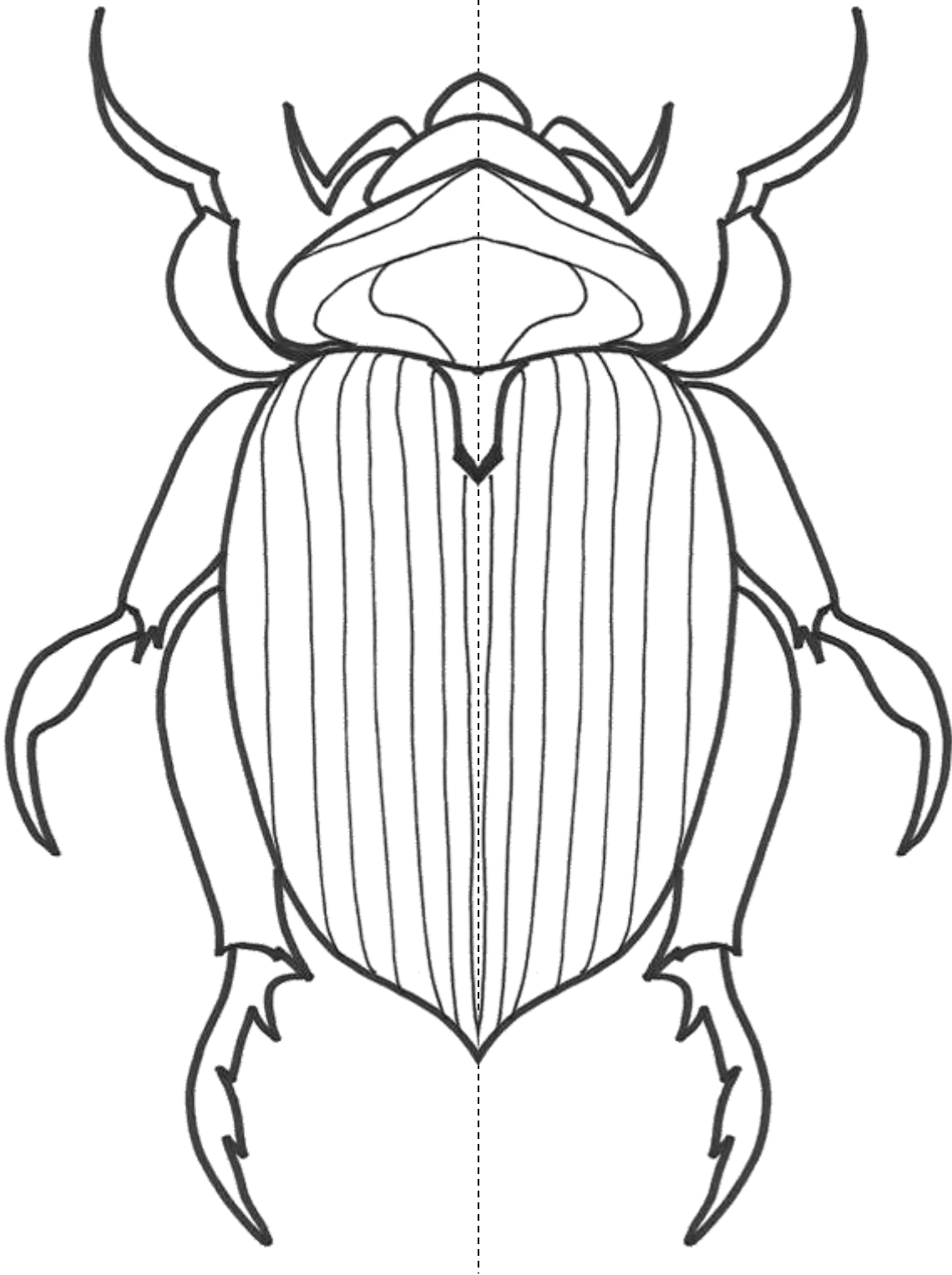


Planet	Votes
Mercury	
Venus	6
Mars	3
Jupiter	11
Saturn	14
Uranus	8
Neptune	

- 1) Fill in the missing data in the table for Mercury and Neptune.
- 2) Draw a bar to show how many votes Jupiter got.
- 3) Which was the most popular planet to visit? \_\_\_\_\_
- 4) How many more votes did Saturn get than Uranus? \_\_\_\_\_
- 5) How many more votes did Mercury get than Mars? \_\_\_\_\_
- 6) Saturn got more votes than the 3 least popular planets put together.  
True or false? \_\_\_\_\_
- 7) Which two planets got the same number of votes?

## SYMMETRY COLOR IN BEETLE v3

Use symmetry to color in this beetle.



## MULTIPLES SHEET 3:1

A multiple is a number that can be made out of adding groups of another number together.

### Examples

*12 is a multiple of 4 because  $4 + 4 + 4 = 12$  (or  $4 \times 3 = 12$ ).*

*25 is a multiple of 5 because  $5 + 5 + 5 + 5 + 5 = 25$  (or  $5 \times 5 = 25$ ).*

1) Circle the numbers below that are multiples of 3.

26    17    15    7    9    12    20

2) Circle the numbers below that are multiples of 5.

19    23    30    15    7    10    33

3) Write down 2 different multiples of 4 between 10 and 18.

\_\_\_\_\_ and \_\_\_\_\_

4) Write down 2 different multiples of 3 between 20 and 25.

\_\_\_\_\_ and \_\_\_\_\_

5) Circle all the numbers below that are multiples of 10.

80    73    67    40    30    94    100

6) I am a multiple of 5. I am between 30 and 40. I am odd. Who am I?

Answer \_\_\_\_\_

7) How many multiples of 3 are there between 10 and 20? \_\_\_\_\_

