

# Useful Websites

http://www.whizz.com/ (Maths Whizz)

http://www.mathszone.co.uk/

http://www.bbc.co.uk/bitesize/ks1/maths/

http://www.bbc.co.uk/schools/websites/4\_11/site/numeracy.shtml

https://www.mathsisfun.com/ http://www.topmarks.co.uk/

http://www.primaryhomeworkhelp.co.uk/maths/

# iPad apps

- Maths age 4-6
- Numberjacks
- SplashLearn
- Marble Math Junior
- Kids Math

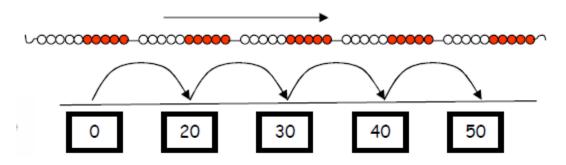
The Math Tree



# P4 Numeracy

## Number

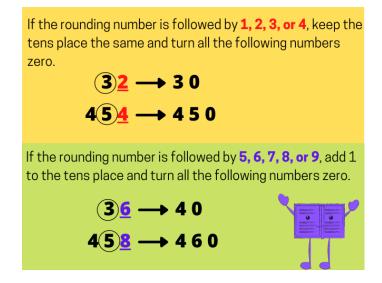
Counting with your child on a daily basis can dramatically support their understanding of the number system and place value. By the end of the foundation stage, most children are expected to count in 3's, 4's, 6's, 8's, 10's and 100's from any given number. E,g. count in 3's starting from 4– 4, 7, 10 .... Counting everyday whilst undertaking daily activities at home, can help develop your child's fluency of numbers and become familiarised with counting in different steps but not always starting at 0 or 1.



By the end of P4, most children will be able to count in multiples of 2, 3, 4, 5, 6, 7, 8, 9 and 10. Using knowledge of multiplication calculations, children will begin to use formal written methods to record their work, including the use of arrays. At home, you can support your child by practising reciting multiplication tables.

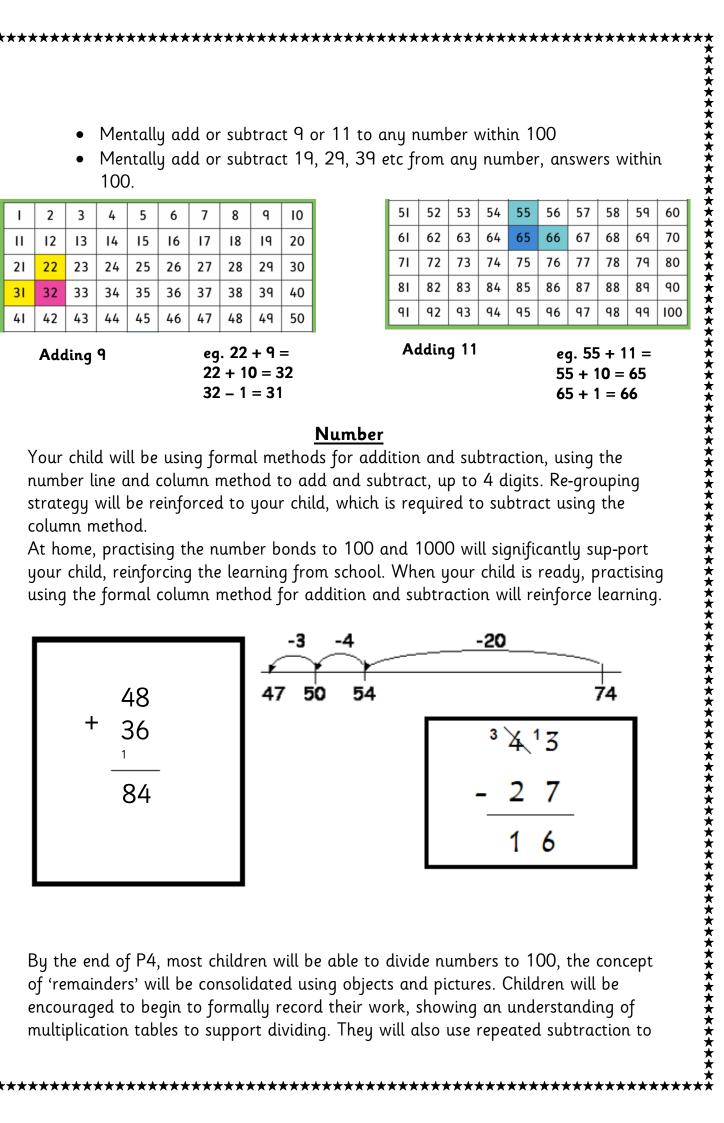
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- Know number before, after and between up to 999 and count forwards and backwards in 1s, 2s, 5s and 10s within 999
- Round numbers within 999 to the nearest 100 and to the nearest 10.

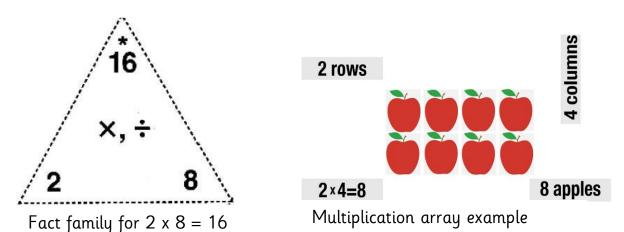


11 21	12 22	13 23	14	15 25	16 26	17 27	18 28	19 29	30
31 41	32 42	33 43	34	35 45	36 46	37 47	38 48	39 49	40 50
	Add	ling	9			22	+ 1	+ 9 : 0 = 3 = 31	<b>32</b>
r s c	trate trate olun At ho Jour	per l egy nn m ome, chil	d wi ine d will pra pra d, re	and obe recoded	colur einfo ng tl rcino	mn r orcec he n orcec	neth l to umb lea	od t youi er b rning	o c ch onc g fr
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51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



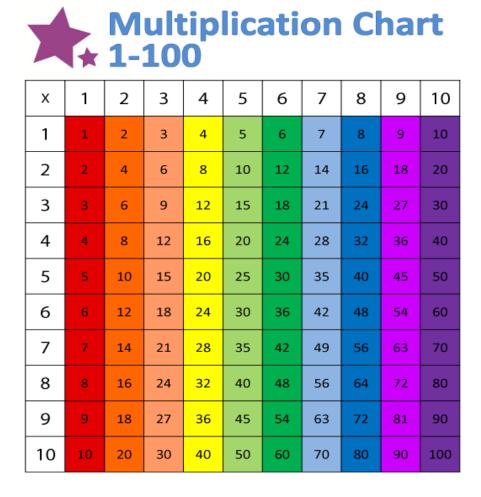
divide. At home, encourage your child to use multiplication facts to think about the corresponding division facts. Practising fact families (see the example below), to recall multiplication and division facts.



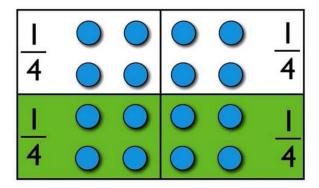
Here are some key number facts your child should learn throughout P4:

Doubles and halves to 50

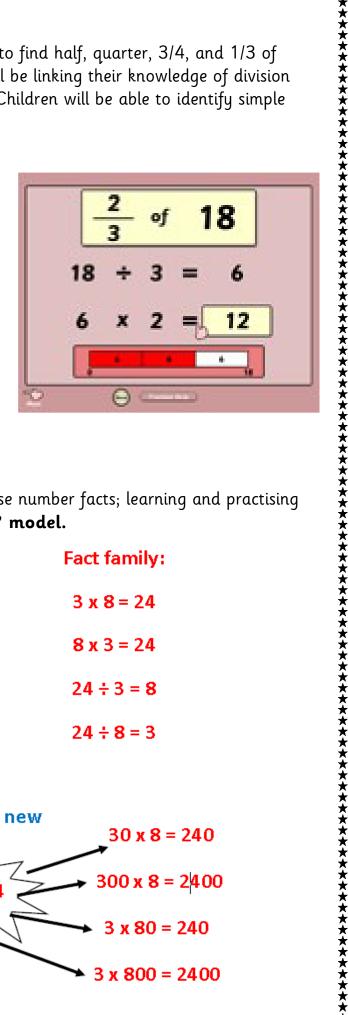
• Know with quick recall multiplication facts for 2, 5, 10, 3, 4, 6, 7, 8, 9 and apply in problem-solving situations.



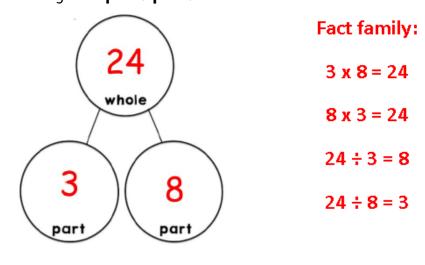
By the end of P4, most children will be able to find half, quarter, 3/4, and 1/3 of objects, amounts and quantities. Children will be linking their knowledge of division to find fractions of amounts and quantities. Children will be able to identify simple equivalent fractions— to 1/2, 1/4 and 1/3.



$$\frac{2}{4}$$
 of  $16 = 8$ 



You can help your child by consolidating these number facts; learning and practising them at home using the 'part, part, whole' model.





• Find different ways of paying exact amounts within £1.00, e.g. using the least number of coins, or using a specific number of coins.

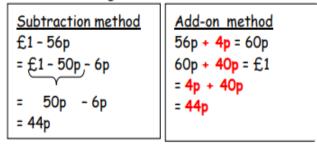


- Calculate estimated costs by rounding prices to the nearest pound, 50p or 10p as appropriate.
- Calculate in the context of money, using addition, subtraction and multiplication with amounts up to £10.00- e.g. finding the total cost of sweets chosen by 3 people, then the change required from £10.00, including using knowledge that 100p = £1.

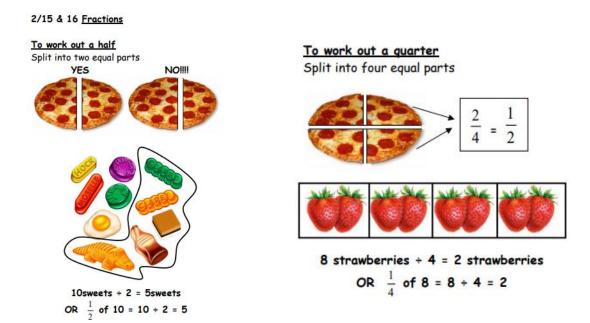
# 2/20 Bills and change

To add amounts of money

# To find change from £1



- Understand links between fractions of a set and division. (e.g. finding how many objects make "half" of a total set is equivalent to dividing the total number by 2).
- Extend understanding to include wider range of fractions (quarters, thirds, sixths, eighths etc) using both whole shapes and sets of objects.



# **Measures**

By the end of P4, most children will be able to accurately measure length. Children will be exposed to other units of measure for distance, mass and length.

Develop an appreciation of the capacity of 1 litre, 1 kg and 1 m.

- Estimate and measure using the litre as a standard unit., using "benchmarks" to help estimation, e.g. a 1 litre milk or juice carton, a 2 litre lemonade bottle.
- Discuss how to weigh items more accurately use kg and grams.
- Discuss how to measure the capacity of containers more accurately use litres and millilitres.

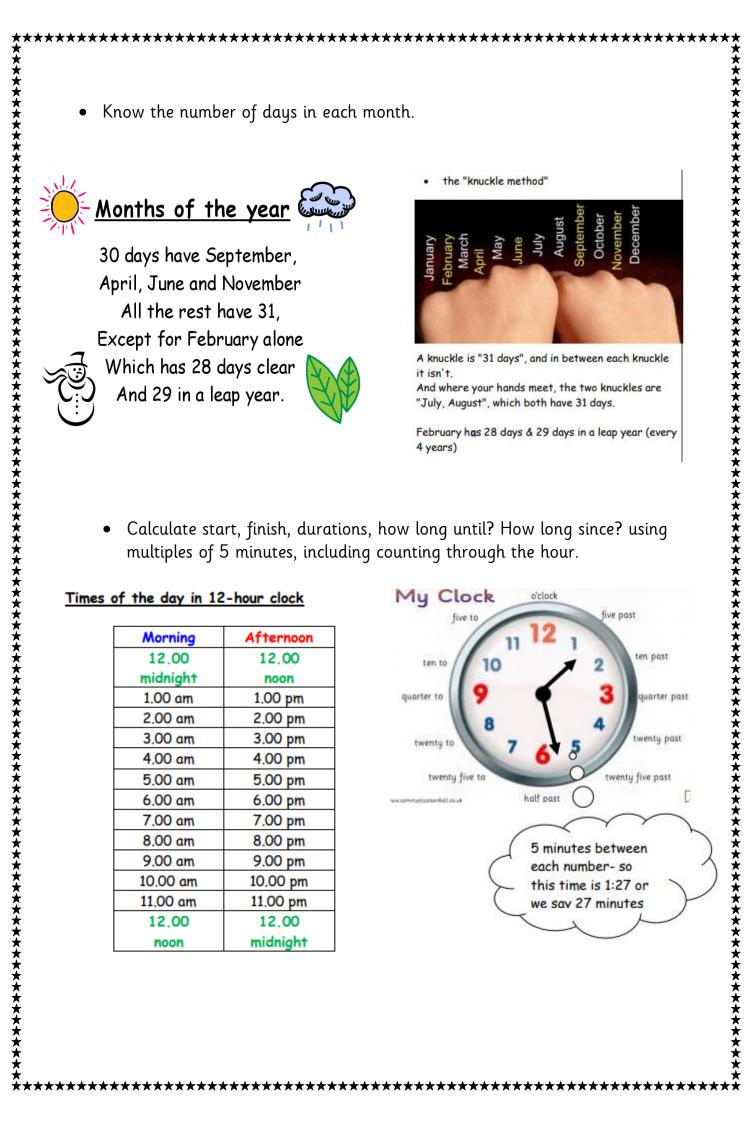
# Estimate and measure the weight of lighter objects in multiples of 100 grams. Estimate and measure the capacity of smaller containers in multiples of 100 millioners (an) Metres (m) M

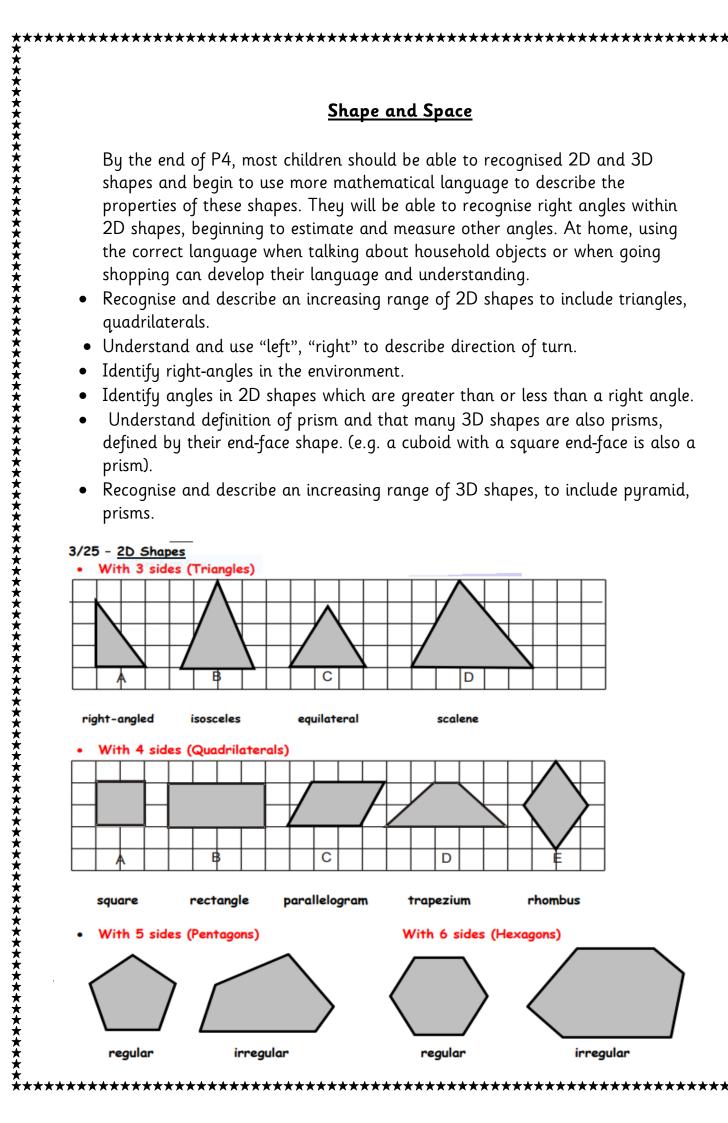


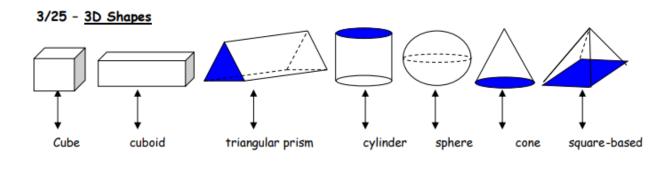


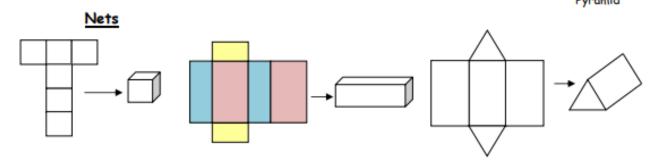


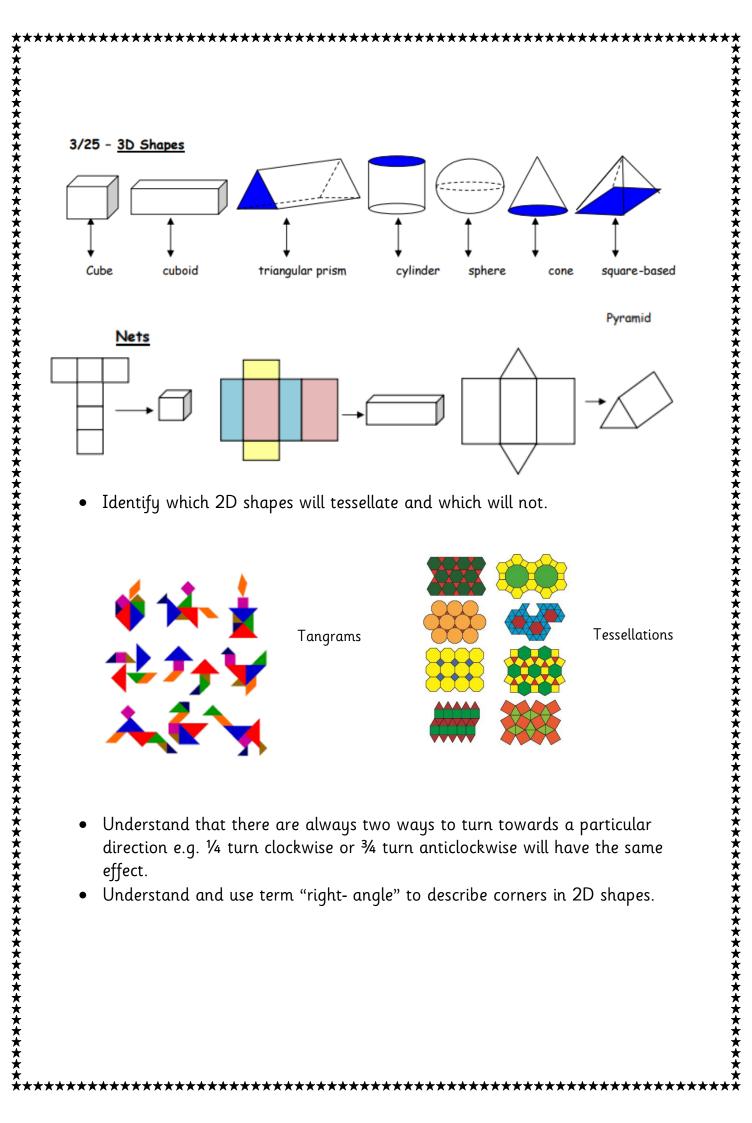
Morning	Afternoon
12.00	12.00
midnight	noon
1.00 am	1.00 pm
2.00 am	2.00 pm
3.00 am	3.00 pm
4.00 am	4.00 pm
5.00 am	5.00 pm
6.00 am	6.00 pm
7.00 am	7.00 pm
8.00 am	8.00 pm
9.00 am	9.00 pm
10.00 am	10.00 pm
11.00 am	11.00 pm
12.00	12.00
noon	midnight

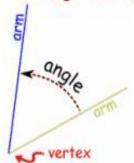




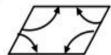


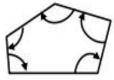




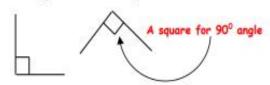


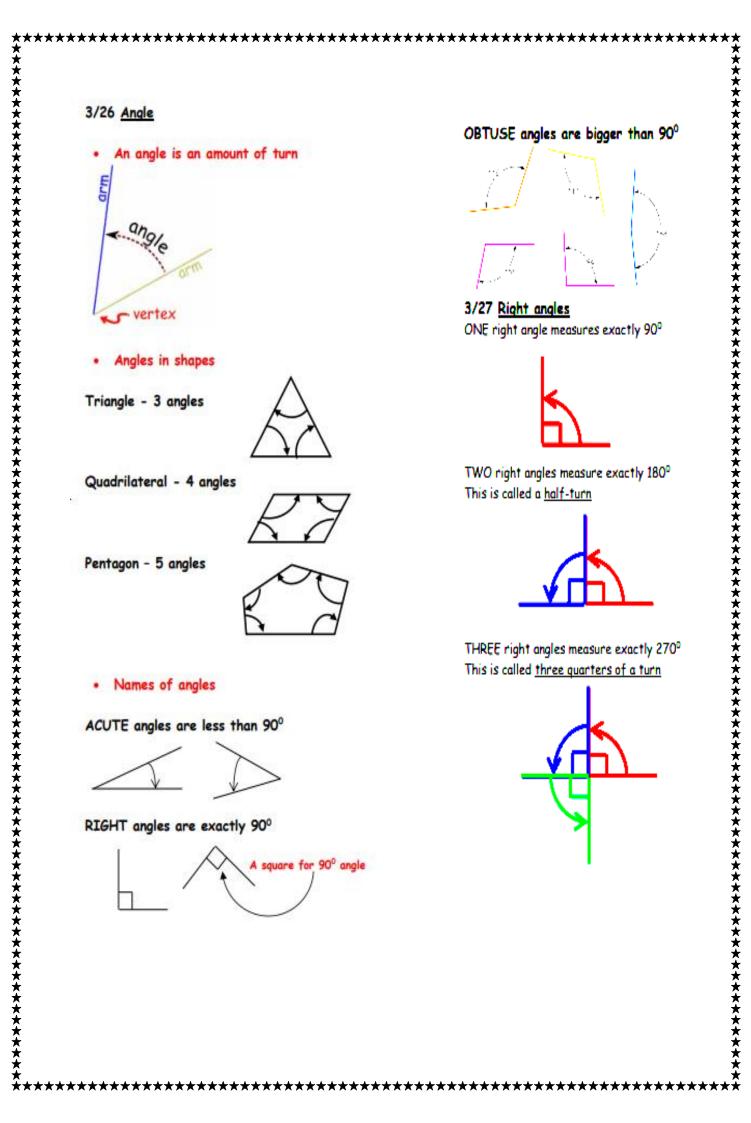




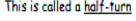


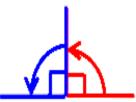


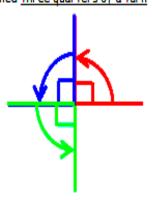












# Data Handling

- Understand terms vertical axis and horizontal axis.
- Interpret given and self-constructed bar charts.
- Investigate statements to see if they are true or false using data handling skills to identify and collect data, display data graphically and interpret results.
- Discuss the labelling of the frequency axis on bar charts. Identify situations where labelling may not be in ones (e.g. where the frequency is too great for the axis to fit on the page).
- Discuss, draw and label bar charts which require scales, using paper and ICT.
   Interpret results and draw appropriate conclusions.



The Horizon is a horizontal line

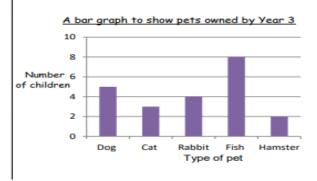


This cliff face is a vertical line

# 3/29 <u>Bar charts</u> Frequency table to show pets owned by Year 3

Type of pet	Tally	Number of pets
Dog	-ННГ	5
Cat	III	3
Rabbit	IIII	4
Fish	-##T III	8
Hamster	II	2

\*



 Construct own Tree, Venn and Carroll diagrams and use to sort sets of objects, shapes, pictures or numbers etc for two criteria.

	Has curved lines	Has straight lines	
Has more than three sides			(
Has three sides or fewer than three sides			

Carroll Diagram

