

# Stage 2 PROMPT sheet

## 2/1 Know the 2, 3, 5, 10 times tables

|             |             |
|-------------|-------------|
| 0 x 2 = 0   | 0 x 5 = 0   |
| 1 x 2 = 2   | 1 x 5 = 5   |
| 2 x 2 = 4   | 2 x 5 = 10  |
| 3 x 2 = 6   | 3 x 5 = 15  |
| 4 x 2 = 8   | 4 x 5 = 20  |
| 5 x 2 = 10  | 5 x 5 = 25  |
| 6 x 2 = 12  | 6 x 5 = 30  |
| 7 x 2 = 14  | 7 x 5 = 35  |
| 8 x 2 = 16  | 8 x 5 = 40  |
| 9 x 2 = 18  | 9 x 5 = 45  |
| 10 x 2 = 20 | 10 x 5 = 50 |
| 11 x 2 = 22 | 11 x 5 = 55 |
| 12 x 2 = 24 | 12 x 5 = 60 |

|               |             |
|---------------|-------------|
| 0 x 10 = 0    | 0 x 3 = 0   |
| 1 x 10 = 10   | 1 x 3 = 3   |
| 2 x 10 = 20   | 2 x 3 = 6   |
| 3 x 10 = 30   | 3 x 3 = 9   |
| 4 x 10 = 40   | 4 x 3 = 12  |
| 5 x 10 = 50   | 5 x 3 = 15  |
| 6 x 10 = 60   | 6 x 3 = 18  |
| 7 x 10 = 70   | 7 x 3 = 21  |
| 8 x 10 = 80   | 8 x 3 = 24  |
| 9 x 10 = 90   | 9 x 3 = 27  |
| 10 x 10 = 100 | 10 x 3 = 30 |
| 11 x 10 = 110 | 11 x 3 = 33 |
| 12 x 10 = 120 | 12 x 3 = 36 |

### Count in 10s

|      |       |
|------|-------|
| tens | units |
| 3    | 7     |

Counting up in tens this digit changes:

37 47 57 67 77 87

### 2/2 Place value

|      |       |
|------|-------|
| tens | units |
| 2    | 8     |

28 means 2 tens and 8 units (ones)  
20 and 8

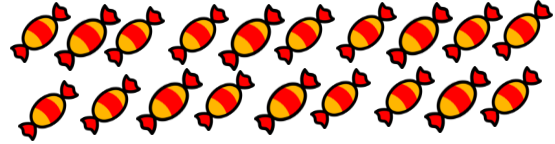
## 2/3 Estimate numbers

- Eyeball estimate



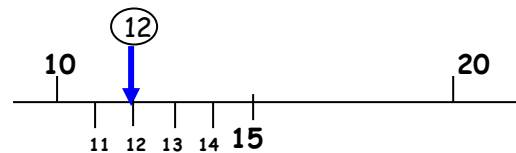
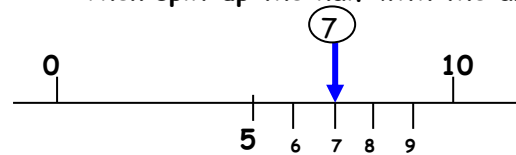
Here are 3 sweets

### Use this to estimate larger amounts



- Estimate on a number line

Fill in the half way number first  
Then split up the half with the arrow



## 2/4 Order numbers

| Ten | Unit |
|-----|------|
| 3   | 7    |
| 3   | 2    |
| 7   | 6    |
| 6   | 2    |



- ◆ Begin at the tens and compare

76 is the biggest

62 is next biggest

| Ten | Unit |
|-----|------|
| 3   | 7    |
| 3   | 2    |
| 7   | 6    |
| 6   | 2    |

- ◆ Move to the units and compare

Order is: 76 62 37 32

## 2/4 (continued) Inequality symbols



We say: 9 is bigger than 5

We write: 9 > 5

We say: 5 is smaller than 9

We write: 5 < 9

## 2/5 Numbers in figures and words

|    |       |
|----|-------|
| 1  | one   |
| 2  | two   |
| 3  | three |
| 4  | four  |
| 5  | five  |
| 6  | six   |
| 7  | seven |
| 8  | eight |
| 9  | nine  |
| 10 | ten   |

|    |           |
|----|-----------|
| 11 | eleven    |
| 12 | twelve    |
| 13 | thirteen  |
| 14 | fourteen  |
| 15 | fifteen   |
| 16 | sixteen   |
| 17 | seventeen |
| 18 | eighteen  |
| 19 | nineteen  |

|    |              |
|----|--------------|
| 20 | twenty       |
| 21 | twenty one   |
| 22 | twenty two   |
| 23 | twenty three |
| 24 | twenty four  |
| 25 | twenty five  |
| 26 | twenty six   |
| 27 | twenty seven |
| 28 | twenty eight |
| 29 | twenty nine  |

|     |             |
|-----|-------------|
| 30  | thirty      |
| 40  | forty       |
| 50  | fifty       |
| 60  | sixty       |
| 70  | seventy     |
| 80  | eighty      |
| 90  | ninety      |
| 100 | one hundred |

## 2/6 Addition & subtraction problems

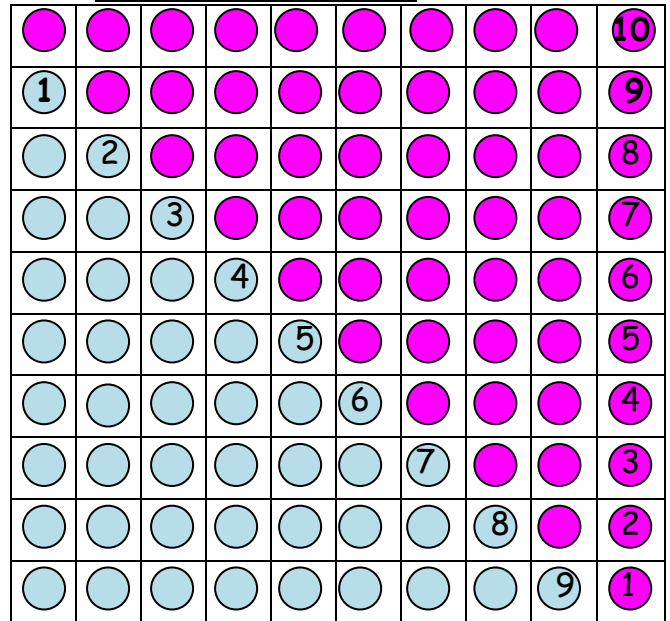
### Words for ADD

|            |        |       |      |
|------------|--------|-------|------|
| altogether | sum of | total | plus |
|------------|--------|-------|------|

### Words for SUBTRACT

|                |                |            |
|----------------|----------------|------------|
| take away      | how many left? | difference |
| how many more? | how many less? |            |

## 2/7 Addition facts to 10

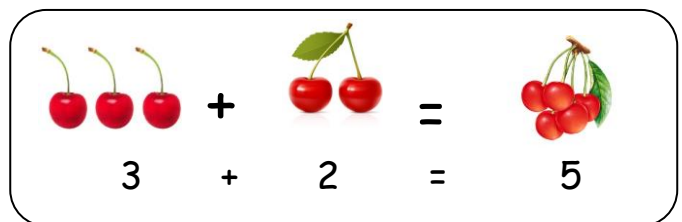


|        |       |       |       |       |
|--------|-------|-------|-------|-------|
| 0 + 10 | 1 + 9 | 2 + 8 | 3 + 7 | 4 + 6 |
| 10 + 0 | 9 + 1 | 8 + 2 | 7 + 3 | 6 + 4 |
|        |       | 5 + 5 |       |       |

## Addition facts to 20

|         |        |        |        |        |
|---------|--------|--------|--------|--------|
| 10 + 10 | 11 + 9 | 12 + 8 | 13 + 7 | 14 + 6 |
| 15 + 5  | 16 + 4 | 17 + 3 | 18 + 2 | 19 + 1 |
|         |        | 20 + 0 |        |        |

## Subtraction is the inverse of addition



$$5 - 2 = 3$$



$$5 - 3 = 2$$

### 2/8 Add & subtract

$20 + 8 = 28$

$$\begin{array}{r} 20 \\ + 8 \\ \hline 28 \end{array}$$

$28 - 3 = 25$

$$\begin{array}{r} 28 \\ - 3 \\ \hline 25 \end{array}$$

$28 - 10 = 18$

$$\begin{array}{r} 28 \\ - 10 \\ \hline 18 \end{array}$$

$28 - 13 = 15$

$$\begin{array}{r} 28 \\ - 13 \\ \hline 15 \end{array}$$

### 2/9 Add & subtract

$7 + 3 = 10$  is the same as  $3 + 7$



$10 - 7 = 3$  is NOT the same as  $7 - 10$



### 2/10 Add & subtract

Fact family for add and subtract

$$13 + 7 = 20$$

$$20 - 13 = 7$$

$$20 - 7 = 13$$

### 2/11 2, 5, 10 times tables

♦ See 2/1

#### Odds & even numbers

- Even numbers - can be paired up



Tip - the last digit always 0 2 4 6 8

- Odd numbers - cannot be paired up



Tip - the last digit always 1 3 5 7 9

### 2/12 Multiply & divide

#### Words for MULTIPLY

times

product

double

triple

#### Words for DIVIDE

share

split

#### Words for EQUALS

is

gives

Fact family for multiply and divide

$$7 \times 5 = 35$$

$$35 \div 5 = 7$$

$$35 \div 7 = 5$$

### 2/13 Multiply & divide

$7 \times 5 = 35$  is the same as  $5 \times 7$



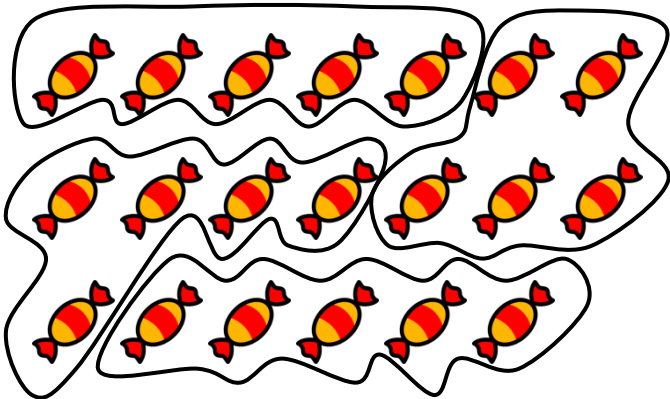
$35 \div 7 = 5$  is NOT the same as  $7 \div 35$



## 2/14 Multiply & divide

**Example1:** Here are 20 sweets to share  
Each child gets 5 sweets  
How many children are there?

Divide them up into groups of 5 sweets-like this



There must be 4 children

**Example2:** Here are 12 marbles to share  
There are 4 children.  
How many marbles does each get?

Divide them up into 4 groups - like this



Each child gets 3 marbles

**Repeated addition (Multiplication)**

Here are 3 footballers.

How many legs do they have altogether?

|                                      |   |
|--------------------------------------|---|
| Addition sentence<br>$2 + 2 + 2 = 6$ | Multiplication sentence<br>$3 \times 2 = 6$ |
|--------------------------------------|---|

Repeated addition is the same as multiplication

|   |  |
|---|--|
| Addition sentence<br>$5 + 5 + 5 + 5 = 20$ | Multiplication sentence<br>$4 \times 5 = 20$ |
| $10 + 10 + 10 = 30$                       | $3 \times 10 = 30$                           |

**Repeated subtraction (Division)**

Repeated subtraction is the same as division

$$\begin{array}{r}
 15 \\
 -5 \quad (1) \\
 \hline
 10 \\
 -5 \quad (2) \\
 \hline
 5 \\
 -5 \quad (3) \\
 \hline
 0
 \end{array}$$

This is the same as  
 $15 \div 5 = 3$

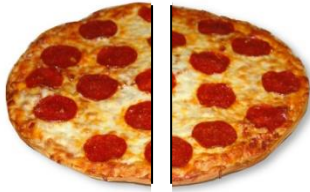
Because 5 has been  
subtracted 3 times  
to get to 0

2/15 & 16 Fractions

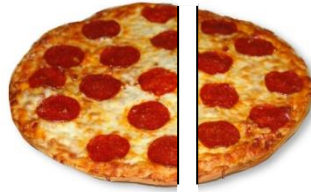
### To work out a half

Split into two equal parts

YES



NO!!!!

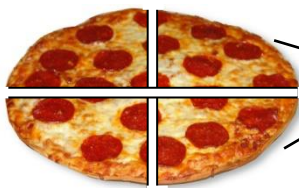


$$10 \text{ sweets} \div 2 = 5 \text{ sweets}$$

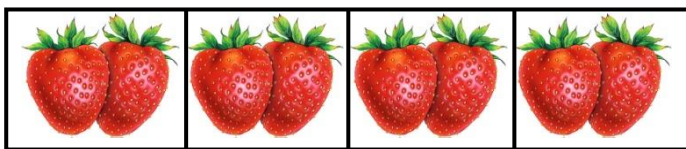
$$\text{OR } \frac{1}{2} \text{ of } 10 = 10 \div 2 = 5$$

### To work out a quarter

Split into four equal parts



$$\frac{2}{4} = \frac{1}{2}$$



$$8 \text{ strawberries} \div 4 = 2 \text{ strawberries}$$

$$\text{OR } \frac{1}{4} \text{ of } 8 = 8 \div 4 = 2$$

### METRIC units of length are:

Millimetre (mm)



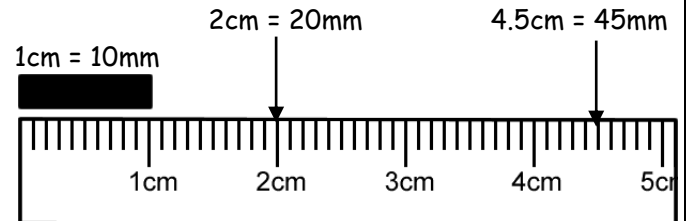
Centimetre (cm)



Metre (m)



Kilometre (km)



- ◆ A big stride is about a metre



- ◆ Distance to Dublin is measured in kilometres



### METRIC units of mass are:

Gram (g)



Kilogram (kg)



$$1 \text{ kilogram(kg)} = 1000\text{grams(g)}$$

- ◆ An apple weighs 150grams



- ◆ Baby chimp weighs 3kg



**METRIC units of capacity (liquids) are:**

Millilitre (ml)



Centilitre (cl)



Litre (l)

- ◆ A medicine spoon holds 5ml



- ◆ A 5-litre bucket



- ◆ Fuel for the car is measured in litres



**To write amounts of money**

£3 or £3.00

50p or £0.50

£3.50 or 350p **BUT never £3.50p or £3.5**

**Value of coins**



1p or £0.01    2p or £0.02    5p or £0.05    10p or £0.10  
 20p or £0.20    50p or £0.50    £1 or £1.00    £2 or £2.00

**2/20 Bills and change**

**To add amounts of money**

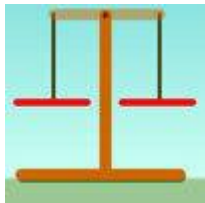
$$\begin{aligned}
 & 24p + 32p \\
 = & 20p + 4p + 30p + 2p \\
 = & 20p + 30p + 4p + 2p \\
 = & 50p + 6p \\
 = & 56p
 \end{aligned}$$

**To find change from £1**

| <u>Subtraction method</u>   | <u>Add-on method</u>  |
|---|---|
| $  \begin{aligned}  & \text{£}1 - 56p \\  = & \text{£}1 - 50p - 6p \\  = & 50p - 6p \\  = & 44p  \end{aligned}  $ | $  \begin{aligned}  & 56p + 4p = 60p \\  & 60p + 40p = \text{£}1 \\  = & 4p + 40p \\  = & 44p  \end{aligned}  $ |

**2/18 Compare units of measure**

**Think of the units of mass then order:**



a bar of chocolate  
 your teacher  
 a blown-up balloon  
 a loaf of bread

A blown-up balloon < a bar of chocolate < a loaf of bread < your teacher

**Think of the units of length used then order:**



How high you could jump in the air  
 How far you can kick a football  
 How far you can run in ½ minute  
 Length of a bug

Length of a bug < you could jump in the air < you can kick a football < you can run in half a minute

**2/21 Sequence of time**



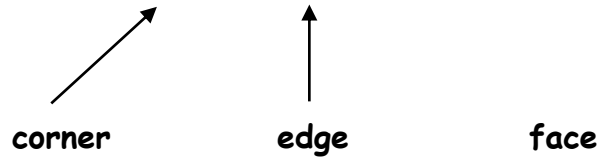
**2/22 Write time**

**2/19 Money**

# My Clock



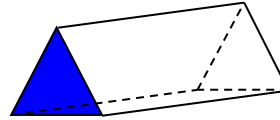
The time shown is:  
5 past 6 OR 6:05



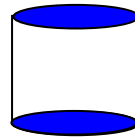
## 2/25 2D shapes on 3D shapes



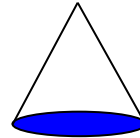
6 faces - all rectangles



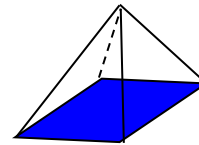
5 faces - 2 triangles  
- 3 rectangles



3 faces - 2 circles  
- 1 curved surface



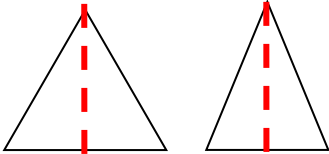
2 faces - 1 circle  
- 1 curved surface



5 faces - 1 rectangle  
- 4 triangles

## 2/23 2D shapes

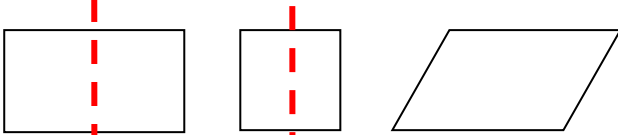
◆ 3 sides - Triangles



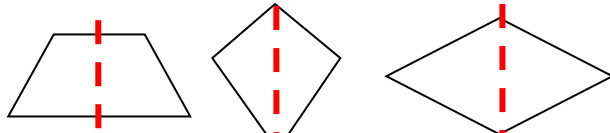
A vertical line of symmetry

equilateral isosceles

◆ 4 sides - Quadrilaterals

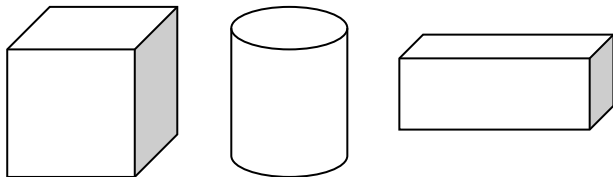


rectangle square parallelogram

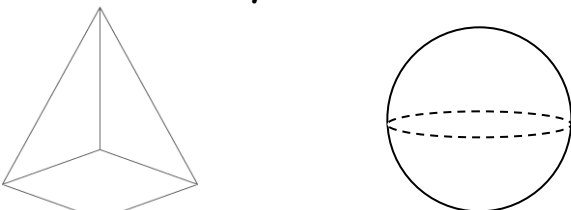


trapezium kite rhombus

## 2/24 3D shapes

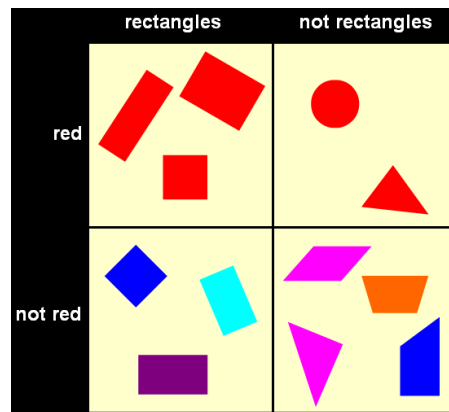


cube cylinder cuboid

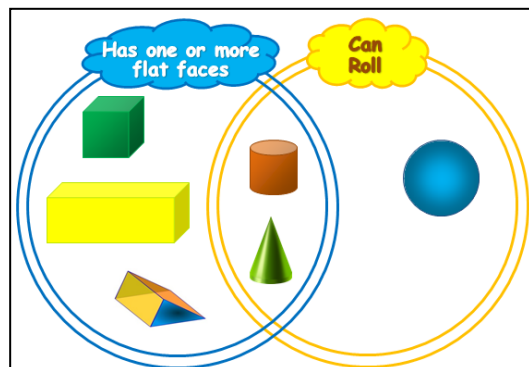


pyramid sphere

## 2/26 To sort 2D shapes and 3D shapes



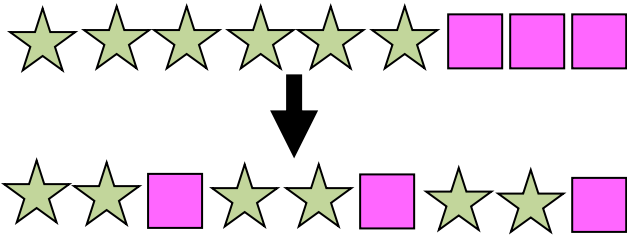
Carroll diagram



Venn diagram

### Sequence of shapes

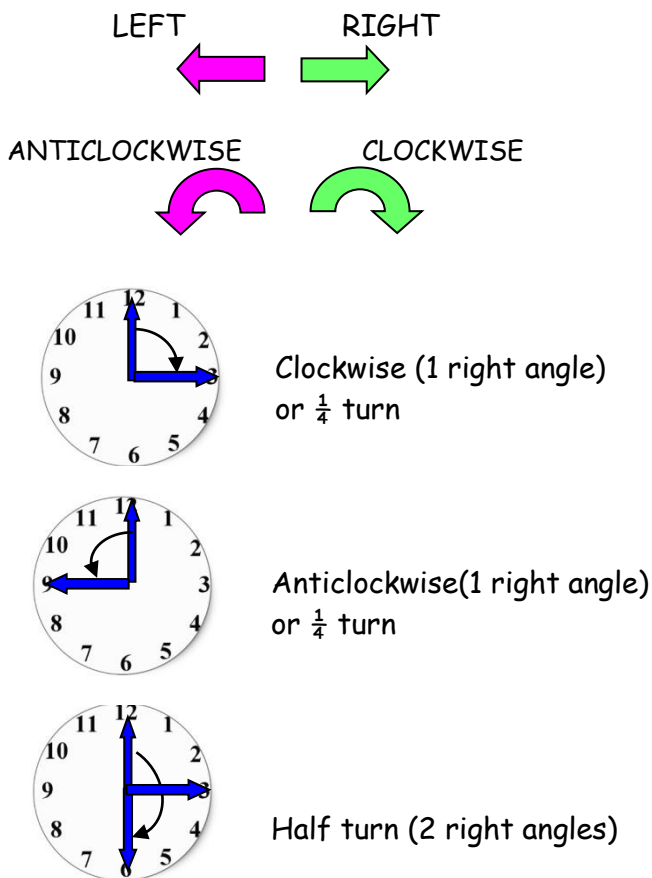
Make these shapes into a pattern



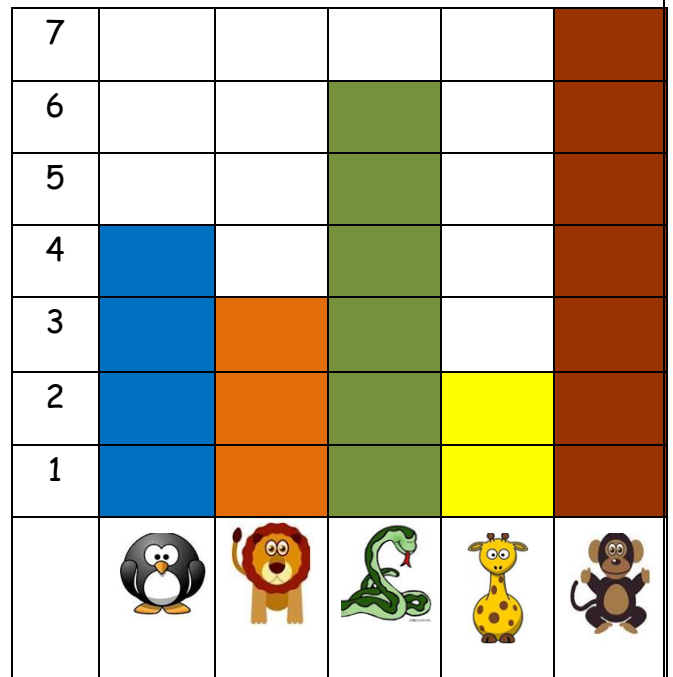
### Tally chart showing animals in the zoo

| Animal  | Tally   | Number of animals |
|---------|---------|-------------------|
| Penguin | IIII    | 4                 |
| Lion    | III     | 3                 |
| Snake   | IIII I  | 6                 |
| Giraffe | II      | 2                 |
| Monkey  | IIII II | 7                 |

### 2/28 Describe position, direction & movement



### Block graph to show animals in the zoo



### 2/30 Questions about tables and graphs

Example:  
Questions about 'Animals in the zoo'

- How many animals are there altogether?  
 $4+3+6+2+7=22$
- How many more monkeys are there than lions?  
 $7-3=4$
- What animal is there least of?  
giraffe

### 2/29 Tables and graphs

Pictogram of  
Year 2 favourite fruits

|        |  |  |
|--------|--|--|
| Apple  |  |  |
| Banana |  |  |
| Grape  |  |  |
| Orange |  |  |