

Working mathematically

- Reasoning/Thinking
- Questioning
- Applying strategies
- Communicating
- Reflecting



Counting.....

Count on from 27 to 35

Count back from 39 to 23

What is the trickiest part of counting back ?

Counting in 2_s 5_s 10_s

Counting.....See Patterns

Write in the missing number:

2 4 6 8 12

9 10 11 13 14 16

10 15 25 30 40

Ordering Random Numbers



- Reasoning... Thinking....is this number bigger than this number

4 17 12 11 9 21 8

Place **15** on this number line



1 Less than... 1 More than

1 less ...1 more



1 less than



1 more than



10 more than....10 less than

12		14	15
		34	

What is mathematical fluency?

A child knows his number bonds to 10, but when given the following task.. he counts on his fingers!!

$$3 + 7$$

What is missing in his thinking?



What is mathematical fluency?

A child knows his number bonds to 10, but when given the following task.. he counts on his fingers!!

$$7 + 4$$

What is missing in his thinking?



Seeing a Pattern

$$2 + 3 = 5$$

$$3 + 2 = 5$$

$$5 - 3 = 2$$

$$5 - 2 = 3$$

Seeing Connections

By just looking at the numbers!!!

$$12 + 3 = 15$$

$$13 + 2 = 15$$

$$15 - 3 = 12$$

$$15 - 2 = 13$$

Missing Number sums

By just looking at the numbers!!!

$$2 + \square = 10$$

$$10 - \square = 3$$

$$7 + \square = 10$$

$$10 - \square = 6$$

What makes a sum win a **✓**

Each side of = MUST balance.



So encourage your child to check their

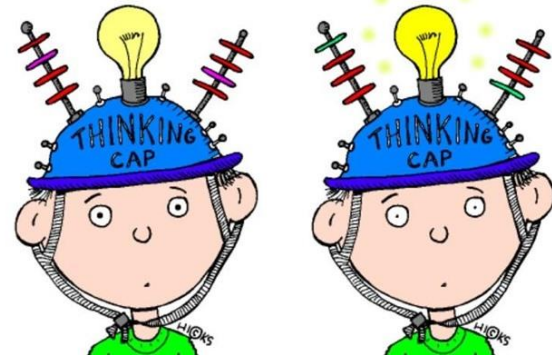
work.... If the sum or calculation gets a **X** the
scales are not balanced.



Get them thinking!

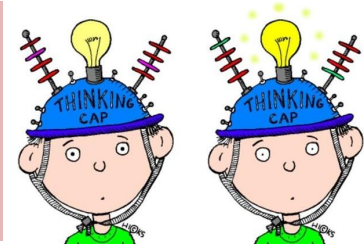
My answer is 10

What is the question?



[Give them coins, pasta, milk bottle tops etc]

Odd and Even Numbers



Circle the even numbers

0 1 2 3 4 5 6 7 8 9 10

Even numbers always have a partner.... Play with coins, pasta shapes, milk bottle tops

Challenge.... is 13 an odd or even number? How about 23... 73? **Can you explain your answer?**

Fractions

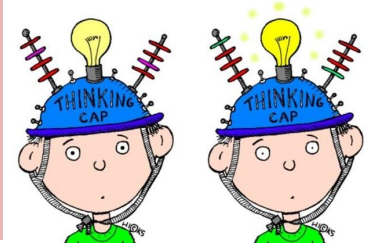
Have fun with half..... $\frac{1}{2}$

Can your child explain what a half is?

- Folding paper in $\frac{1}{2}$
- Sharing $\frac{1}{2}$ a bar of chocolate
- Cutting a piece of string in $\frac{1}{2}$

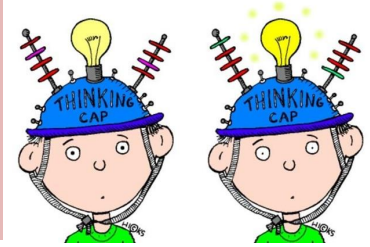
What about $\frac{1}{4}$?

Problem solving



A farmer looks across a field of sheep. He counts 16 legs. How many sheep does he have?

Problem solving



Sarah is filling party bags. She has 20 sweets altogether and puts 5 sweets in each bag....
How many bags can she fill?

Can she do it another way with each bag having the same number of sweets?

Time

- Which day comes before Friday?
- Which month comes after July?
- Draw a clock face – discuss where the numbers go! [or make one with a paper plate]
- Can you draw 7 o'clock on a clock face?
- Can you draw $\frac{1}{2}$ past 1?