

Mental Mathematics

What?

Mental Mathematics is the bridge between skills and facts learnt in class and the maths we use in real life.

Why?

Mental Mathematics

- Provides opportunities for active learning.
- Pupils' thinking is valued.
- Promotes a two-way process and dialogue.
- Pupils have a chance to discuss answers to questions.
- Pupils have a chance to explain their methods and reasoning.
- Pupils verbalise their mathematical knowledge.

Mental Mathematics

- Helps to boost your child's confidence when it comes to mathematics.
- Develops mental calculation abilities.
- Provides a sense of achievement as the child's proficiency improves.
- Leads to greater mental capacity.
- Promotes intuitive thinking.
- Enhances problem-solving capability.
- Enhances creativity.
- Improves concentration and mental endurance.

How?

Mental Mathematics

- The Maths lesson at school usually kicks off with ‘mental oral starters’, which take 5 to 10 minutes. The Abacus scheme supports this type of activity through its “Mental Warm-up” Book.
- Mental Oral starters should be short, focused and purposeful activities which serve to stimulate the children’s thinking.
- Teacher talk should be kept to a minimum.

Mental Mathematics

- Outside the school mental mathematics can take place everywhere.
- The idea is that we as adults are able to identify situations where mathematics can be applied and explored.
- Good questioning skills and observation is all that is needed in order to evoke a sense of wonder in the child.

Where?

Ideas for Outdoor Mental Mathematics

- At the supermarket



Ideas for Outdoor Mental Mathematics

- At the playing field



Ideas for Outdoor Mental Mathematics

- In the car



Ideas for Outdoor Mental Mathematics

- In the garden



Ideas for Outdoor Mental Mathematics

- On the bus



ARRIVA

take the bus to Nadur for carnival

- Valletta to Ċirkewwa - from 18:00 till 21:30
- Leaving from Victoria at 23:45 serving all villages to Nadur
- Mġarr, Gozo to Nadur - normal service on route 303 & additional service from 23:10 till 01:30
- Nadur to Mġarr, Gozo - from 01:00 till 03:00
- Nadur to all Gozo villages - at 02:00 & 03:00

Shuttle service will operate to Gozo ferry schedule from 18:00 till 01:30

€1 PER TRIP IN GOZO!!

Arriva buses. Here to take you there.

customer care 2122 2000 arriva.com.mt

Ideas for Outdoor Mental Mathematics

- At the beach



Ideas for Outdoor Mental Mathematics

- In the street



*Which Maths skills
does your child need to
apply to solve the
following
investigations?*

Can you work out:
 $21432 \times 11 = ?$



120 students and 5 teachers went on a field trip. Each bus held 35 people. How many buses were needed?



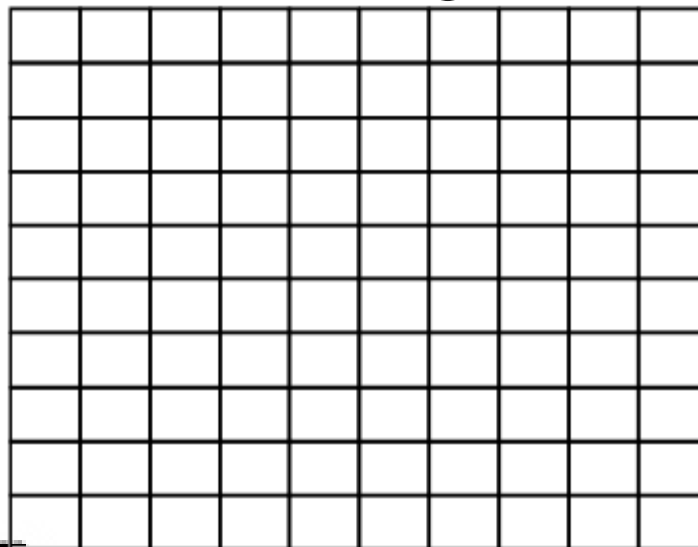
Agree or Disagree?

- a. 4.5 divided by 3 is 1.5.
- b. 9 is a prime number.
- c. A square is a rectangle.

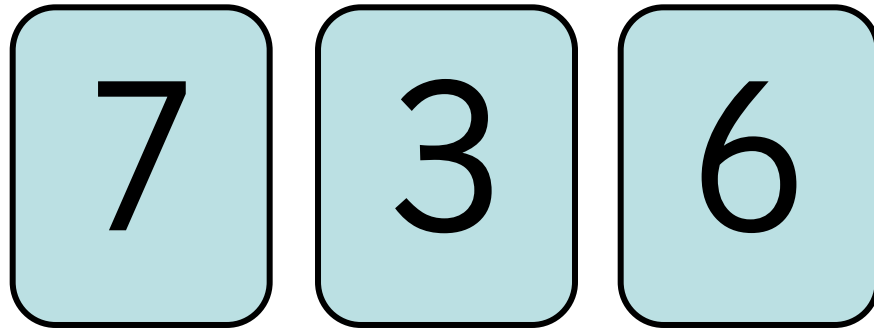


Which is greater?

$\frac{4}{5}$ or 0.75? Why?



Steve is using three number cards shown below to make a three-digit number. He will use each number card 1 time.



List all the possible three-digit numbers Steve can make using each card 1 time?

Jennifer wants to order a sandwich and a drink. Look at the menu below to decide how many different choices she has.

LUNCH MENU

SANDWICHES

Chicken

Ham

Tuna

DRINKS

Lemonade

Milk

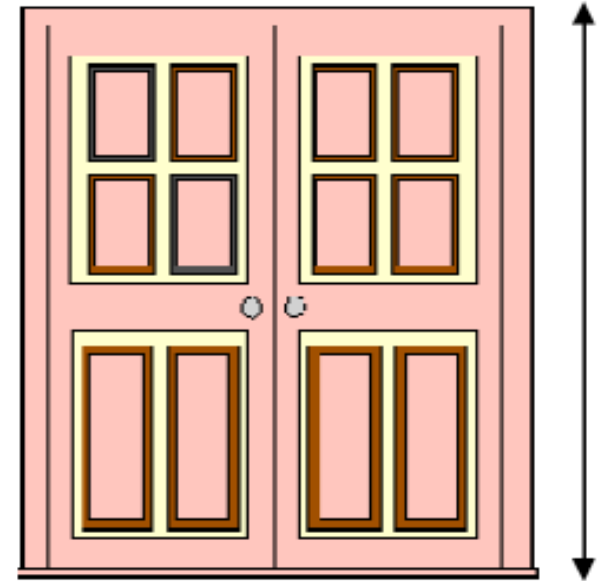
The height of the classroom door
is about:

1m

2m

10m

20m



A show started at 10:55am and ended at 1:30pm. How long was the show in hours and minutes?

