



Calculating Cost

Miss Mills is making jam to sell at the school fair.

- Strawberries cost £7.50 per kg.
- Sugar costs 79p per kg.
- 10 glass jars cost £6.90

She uses 12 kg of strawberries and 10 kg of sugar to make 20 jars full of jam.

Calculate the total cost to make 20 jars full of jam.





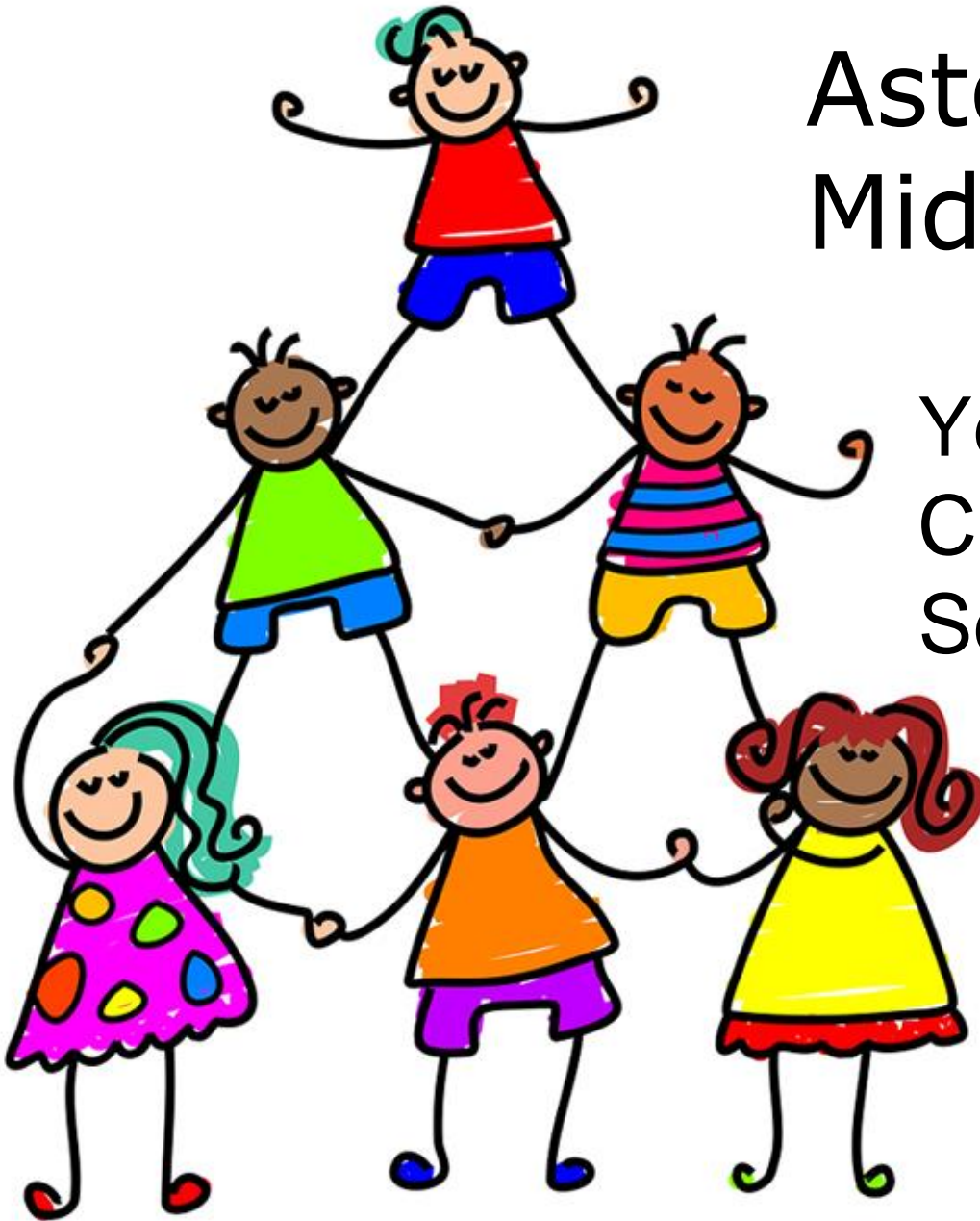
Which is larger? And by how much?

- The area of a rugby pitch is 6,108 square metres.
- A football pitch measures 112 metres long and 82 metres wide.
- Which has the largest area and by how much?



Aston Fields Middle School

Year 5 Mathematics
Curriculum Evening
September 2023





Mathematics in KS2

- Pupils start the year in their 5 form classes.
- Small groups will be taken out to do more focused work with pupils.
- Pupils then move into 6 sets.
- Baseline assessments are used in conjunction with first school information.



The KS2 Curriculum

- Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems.
- It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment.
- A high-quality mathematics education provides the foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.



The Curriculum

- The curriculum is based on 2-3 week blocks centred on basic number skills, shape & space, handling data and more advance number skills.
- This leads to a cyclical approach, meeting topics regularly and building on prior learning, this helps pupils to learn more and remember more.





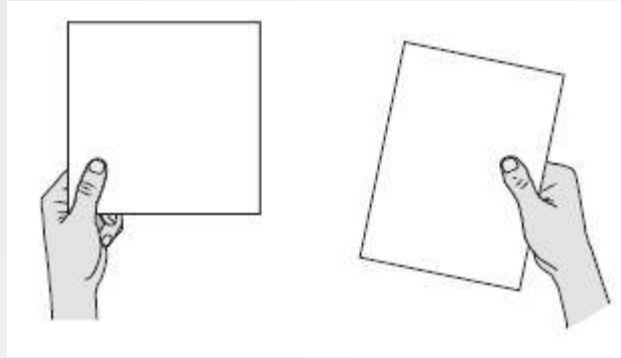
The Curriculum

- Reinforcing core skills, building fluency.
- Focus on using and applying mathematics.
- Building confidence and links between areas of mathematics.
- Encouraging pupils to explain methods and reasons for the links they observe.





Which is larger? And by how much?



A square tile measures 20 cm by 20 cm.
A rectangular tile is 3 cm **longer** and 2
cm **narrower** than the square tile.

What is the **difference in area** between
the two tiles?





Another problem:

Would you rather have as a prize?

- ❖ Win £100
- ❖ Receive 1p on one day, 2p on the second day, 4p on the third day and continue to double every day for a month
- ❖ Win £1800 that you have to split with 12 people
- ❖ Receive what was left from £5000 where each day for a week it was reduced by 10%
- ❖ Have 10 lottery tickets





Assessment

- Assessment will be continuous – drawing on class & homework, tests, discussion & group work.
- Pupils will need to show mastery & fluency.





Standard Attainment Tests (SATs)

- 3 papers taken by all students aimed to assess whether pupils are working at age related expectations.
- Arithmetic paper– 30 minutes
- 2 Reasoning papers – each 40 minutes (non calculator)
- Taken in May over a week with English tests
- Results reported as a standardised score – 100 being age related expectations.



The link with home...

- Partnership
- Foster enjoyment
- Homework
- Consolidate and practise skills
- Play games
- Websites: sumdog.com

bbc.bitesize

ttrockstars.com





Topics

- Multiplication tables and related division facts
- Money
- Time & timetables
- Weighing and measuring





Chocolate chip cookies (makes 12)

- **Ingredients**
- 350g/12¼oz unsifted flour
- 1 tsp bicarbonate of soda
- 1 tsp salt
- 225g/8oz butter
- 175g/6¼oz caster sugar
- 175g/6¼oz soft brown sugar
- 1 tsp vanilla extract
- 2 eggs
- 350g/12¼oz dark chocolate, crumbled





How can you help at home?

1. Growth Feedback
2. Celebrate Mistakes

Promote
Growth Mindset
**Resilience,
motivation &
success**





“You really tried hard and it’s getting better every time”.

“That is the best one that you have done yet!

“That was a good way to do it”.

“Try different ways until you find the right one for you”.

“Practice makes perfect”.

“Try to do even better next time”.

