

Popler Maths

The whole-class mastery approach that works for every child





earson



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At the heart of **Power Maths** is the belief that all children can achieve. It's built on an exciting growth mindset and problem-solving approach.



Key aims of Power Maths



Keeping the whole class progressing together Providing rich problem solving to challenge and engage every child

Practical assessment to reveal misconceptions and inform speedy interventions

Nurturing a growth mindset and building children's confidence in maths



In a nutshell ...



An exciting **whole-class mastery approach** for Reception to Year 6



- Written by **mastery experts** and inspired by best practice from around the world
- Fully recommended by the Department for Education



Created specifically for UK classrooms



Makes maths an adventure and helps build a culture of **excitement and confidence**!



What is mastery?

"Mastering maths means acquiring a deep, long-term, secure and adaptable understanding of the subject" – NCETM

We achieve this by ...

Carefully sequenced, small step learning

Developing mathematical thinking

Building fluency Representation that expose mathematical structures



Growth mindset

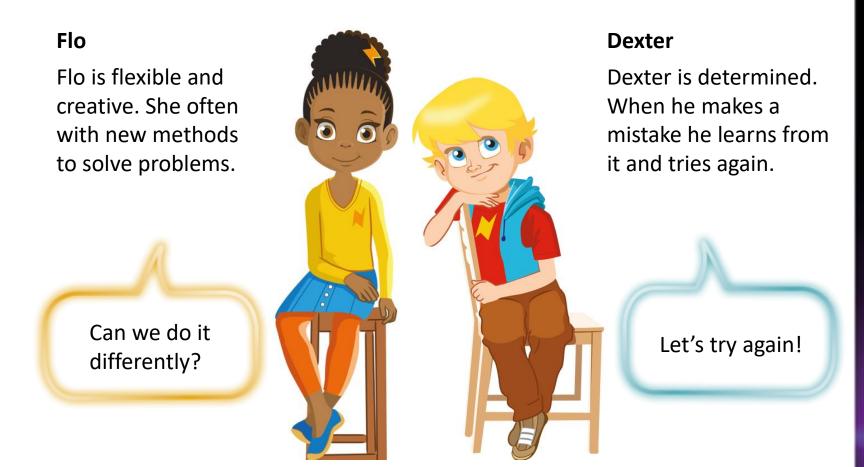


Fixed mindset Growth mindset "I'm not good at maths – I've never "I'm finding maths hard now, but I can been good at maths" improve with time and effort" "I give up – I can't make this any "I can improve if I keep trying" better" "Most successful people fail along "If I fail I am a failure" the way" "I can't do this – I keep making "Mistakes help me learn" mistakes"



Meet the growth-mindset characters!





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Meet the growth-mindset characters!



Astrid

Astrid is brave and confident. She is not afraid to make mistakes.

Is there a pattern?

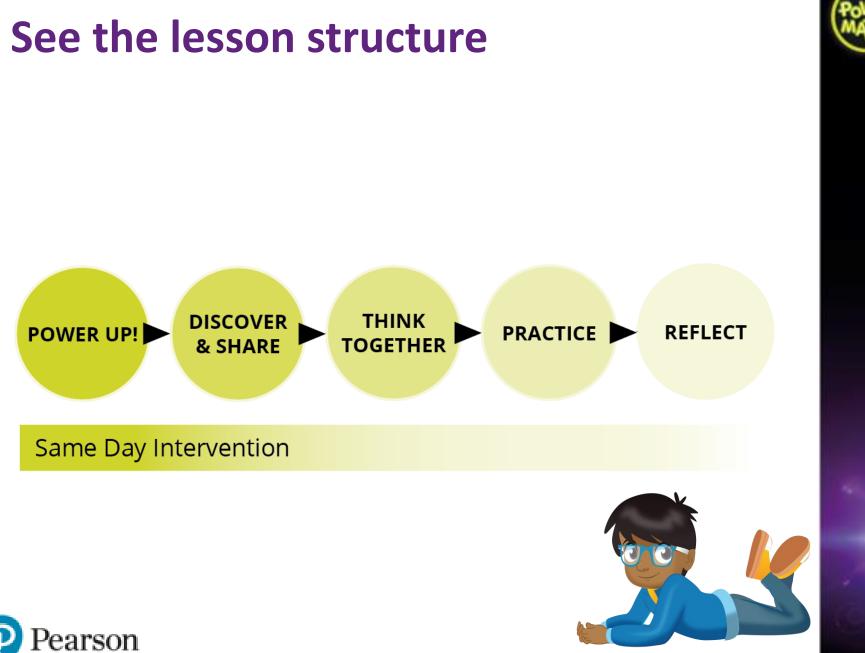
I will share my ideas!

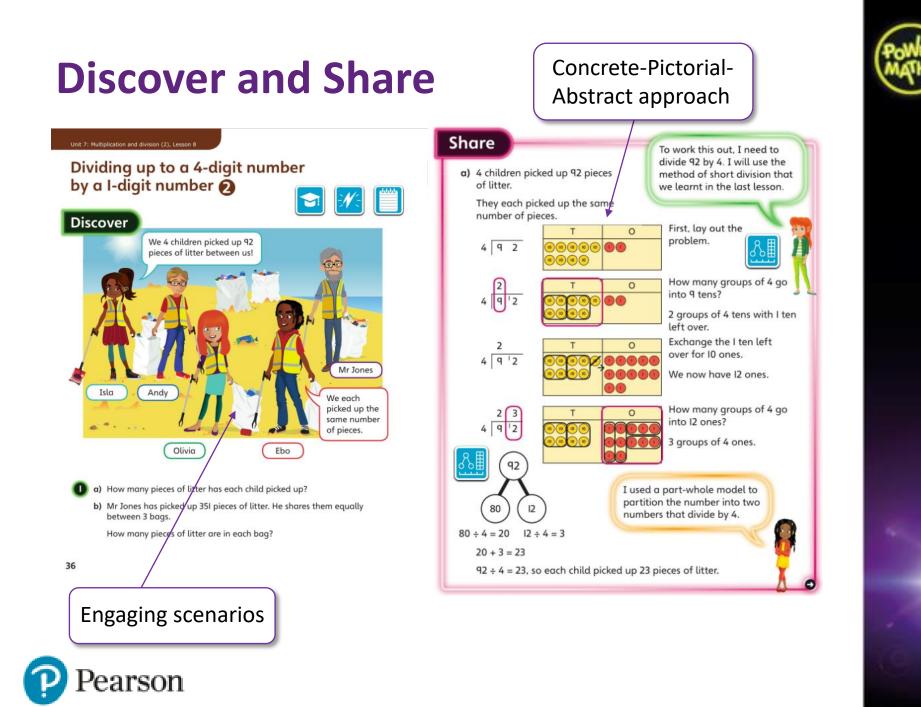
Ash

Ash is curious and inquisitive. He loves to explore new concepts



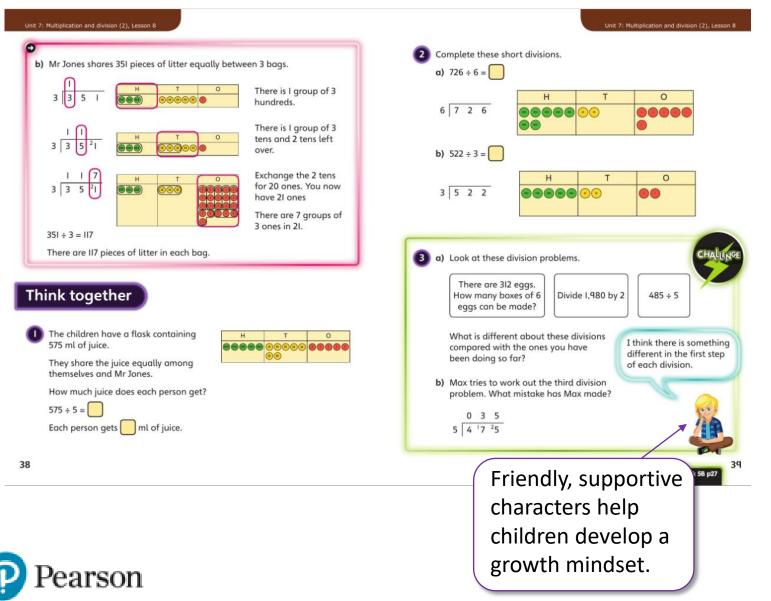


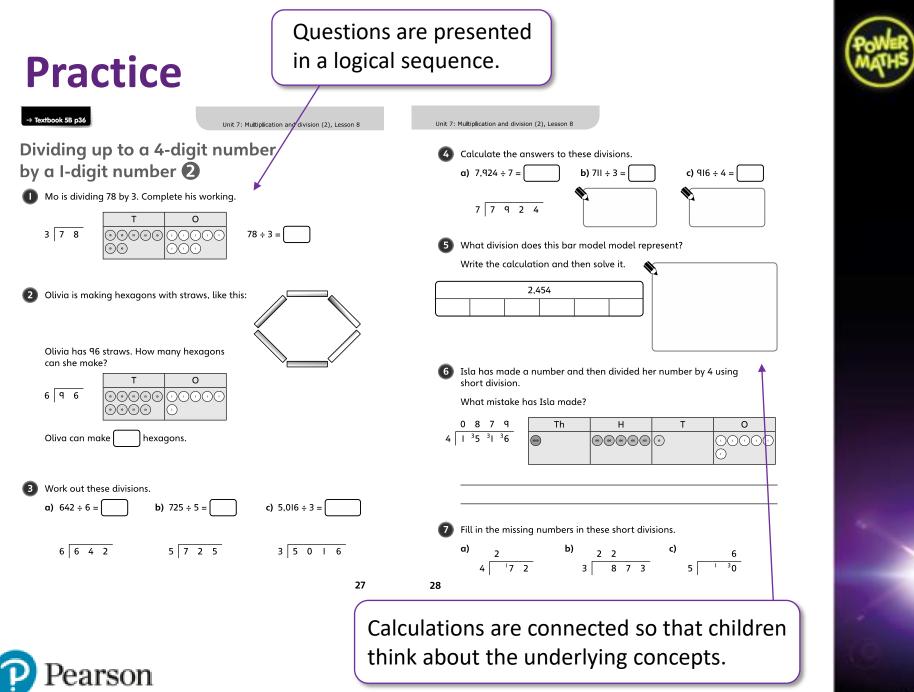






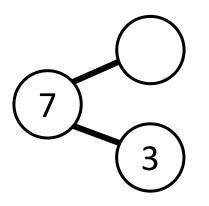
Think together





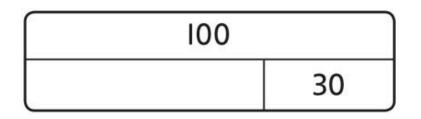
Models and representations

Part-whole models



Shows how numbers can be split into parts. Helps show the connection between addition and subtraction.

Bar models



Helps show the maths problem as a picture.

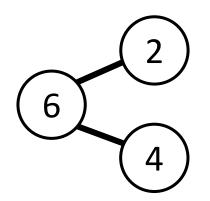




Models and representations







2 + 4 = 6



