

Preview:

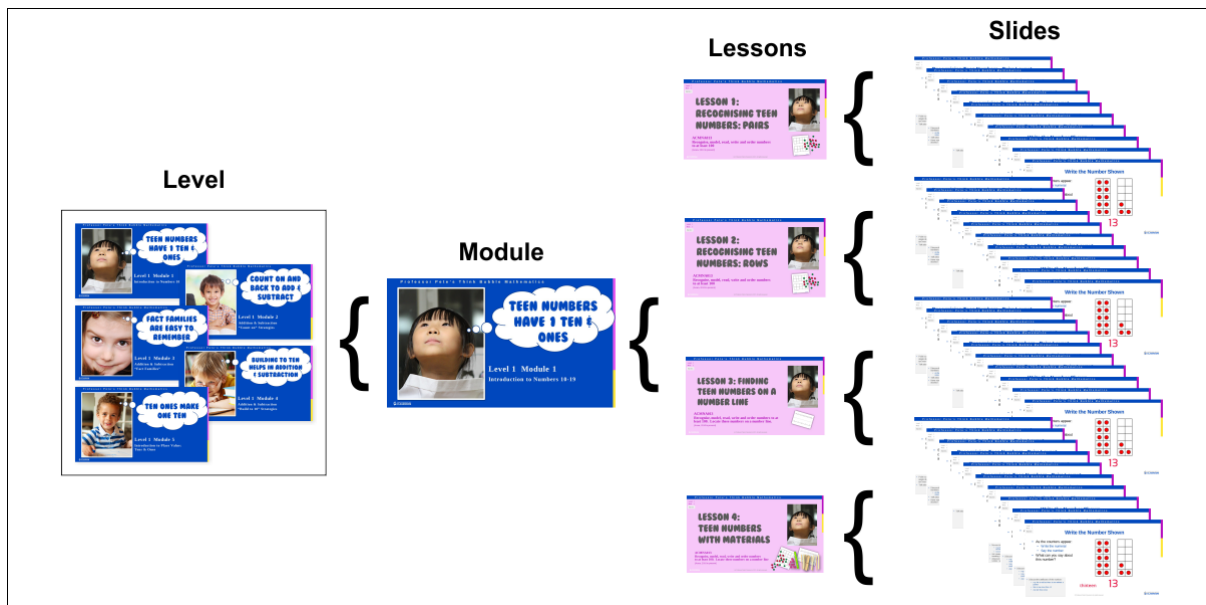
THINK BUBBLE MATHEMATICS

LEVEL 6

What is Think Bubble Math?

Think Bubble Mathematics is a completely new program of innovative resources for teaching K-6 mathematics, based on the idea of helping students to visualise the mathematics they are learning via animated images and text.

Each TBM level includes Modules based around selected curriculum topics. Each Module is contained in a single PowerPoint show file, and is made up of several Lessons, made up of slides:



Many Modules include accompanying worksheets which match the PowerPoint slides, making it easier for students to record their answers to selected questions on the slides.

Purchasers are sent an email containing all links required to download the Think Bubble Mathematics files, including the supporting worksheets.

Selected Slide Previews:

Module Title

Sample Slide Preview

Multiply and Divide by 10, 100,1000
[PowerPoint TBM601]

Professor Pete's Think Bubble Mathematics

Level: 6
Unit: 1
INDEX

Multiplying by 10

When x 10, the digits move to the left one place

$$21,059.08 \times 10 = 210,590.8$$

M HTh TTh Th H T O . t h th

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Integers: Positive and Negative
[PowerPoint TBM602]

Professor Pete's Think Bubble Mathematics

Level: 6
Unit: 2
INDEX

Money Owed

If you owe more money than you possess, you have less than zero, a negative balance.

negative money, per day have once you have paid your pocket money day

\$5 \$7

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Doubling, Halving 3 Digit Numbers Mentally
[PowerPoint TBM603]

Professor Pete's Think Bubble Mathematics

Level: 6
Unit: 2
INDEX

Doubling 2-Digit Numbers Mentally

- Double the tens:
 - lightly pencil in the "4"
- Double the ones:
 - add the ten, write "5"
 - write the 6 ones

Double

28
516

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Fraction Comparison and Conversions
[PowerPoint TBM604]

Professor Pete's Think Bubble Mathematics

Level: 6
Unit: 4
INDEX

Which Fractions are Larger

Place these fractions in order from smallest to largest

The larger the denominator, the smaller the fraction

$\frac{1}{12}$ $\frac{1}{3}$ $\frac{1}{10}$ $\frac{1}{9}$

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Percent: Conversion and Discount
[PowerPoint TBM605]

Professor Pete's Think Bubble Mathematics

Level: 6
Unit: 5
INDEX

Introducing Thirty-Three Percent

Complete:

- Shape
- Common fraction
- Simplified fraction
- Percent
- Position on the number line

33%

$\frac{33}{100} \approx \frac{1}{3}$ approximately

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Addition and Subtraction of Mixed Numbers [PowerPoint TBM606]

Professor Pete's Think Bubble Mathematics

Level: 6
Topic: 6
INCLX:

Adding Fractions – Like Denominators

- Check the denominators:
 - they are the same
- When the denominators are the same, all the parts are equal in size so just put them together!

$$\frac{1}{5} + \frac{2}{5} =$$

When the denominators are the same, adding is just a matter of putting the fractional parts together

CLASSROOM

Perimeter and Area of Irregular Shapes [PowerPoint TBM607]

Professor Pete's Think Bubble Mathematics

Level: 6
Topic: 7
INCLX:

Perimeter

$$12m + 12m + 12m = 36m$$

$$3 \times 12 = 36m$$

- Find the Perimeter (P) of this equilateral triangle

Students can shorten the answer as a multiplier, or write it as a straight addition question

CLASSROOM

3D Nets, Volume and Surface Area [PowerPoint TBM608]

Professor Pete's Think Bubble Mathematics

Level: 6
Topic: 8
INCLX:

Volume / Capacity

Advice to Teachers:

- Place value blocks are based on a 1-centimetre cube
- These cubes are ideal for exploring the litre, equal to 1000 cubic centimetres, or 1000 millilitres
- 1cm³ of water has a mass of 1 gram

1g

1cm³ = 1mL
Mass of 1mL water = 1g

1kg

1000cm³ = 1L
Mass of 1L water = 1kg

CLASSROOM

Extreme Numbers [PowerPoint TBM609]

Professor Pete's Think Bubble Mathematics

Level: 6
Topic: 9
INCLX:

Dividing by 10

$63m \div 10 =$ 63m

- When $\div 10$, the digits move to the right one place

M	HTh	TTh	Th	H	T	O	•	t	h	th
					6	3	.	m		

CLASSROOM

Time: 12, 24 Hour, Timetables & Time Problems [PowerPoint TBM610]

Professor Pete's Think Bubble Mathematics

Level: 6
Topic: 10
INCLX:

24 Clock Usage

Which of these activities would require 24 hour time?

the navy

on a birthday invitation

setting an integrated camera system

a flight schedule

hospital records

CLASSROOM

Level 6 Lesson Topics:

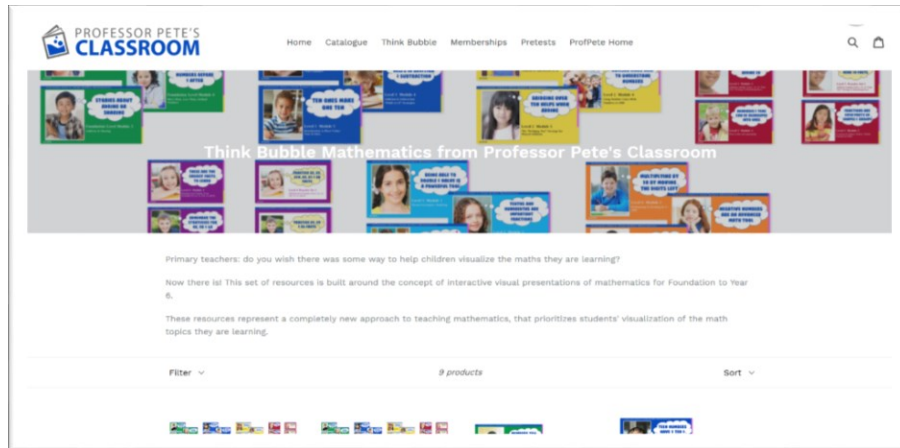
- Module 1:
 - $\times 10$ $\times 100$
 - $\times 1000$
 - $\div 10$ $\div 100$
 - $\div 1000$ and revision
- Module 2:
 - Negative Numbers - Thermometer
 - Negative Numbers - Money, Sea Level
 - Open Number Lines - Negative Numbers
 - Dates – Open Number Lines
- Module 3:
 - Doubling, Halving 2 Digit Numbers Revision
 - Doubling 3 Digit Numbers - Mental Strategy
 - Halving 3 Digit Numbers - Mental Strategy
 - $\times 20$, $\times 200$ and $\div 20$, $\div 200$
- Module 4:
 - Equivalent Fractions
 - Simplifying & Comparing Fractions
 - Improper Fractions & Mixed Numbers
 - Fractions Revision
- Module 5:
 - Introducing Percent
 - Finding 50% of a Number
 - Finding 10% of a Number
 - Finding 25% of a Number
- Module 6:
 - Revising Adding & Subtracting Fractions with Like Denominators & Simplifying
 - Adding Fractions with Related & Unrelated Denominators
 - Subtracting Fractions with Related & Unrelated Denominators
 - Word Problems with Mixed Numbers
- Module 7:
 - Perimeter
 - Area of Rectangles
 - Area of a Triangle
 - Area of Irregular Shapes
- Module 8:
 - Nets of Cubes, Rectangular Prisms & Pyramids
 - Drawing Cubes / Rectangular Prisms
 - Volume/Capacity of Rectangular Prisms
 - Surface Area of 3D Solids
- Module 9:
 - Extremely Large Numbers
 - Working with Extremely Large Numbers
 - Extreme Decimals
 - Working with Extreme Decimals
- Module 10:
 - Using & Understanding 12-Hour & 24-Hour Time
 - Using & Understanding Calendars
 - Using Timetables
 - Advanced Problem Solving with Time

Accessing Think Bubble Mathematics

There are two options to get full access to these resources:

- A. Purchase a Think Bubble Mathematics product

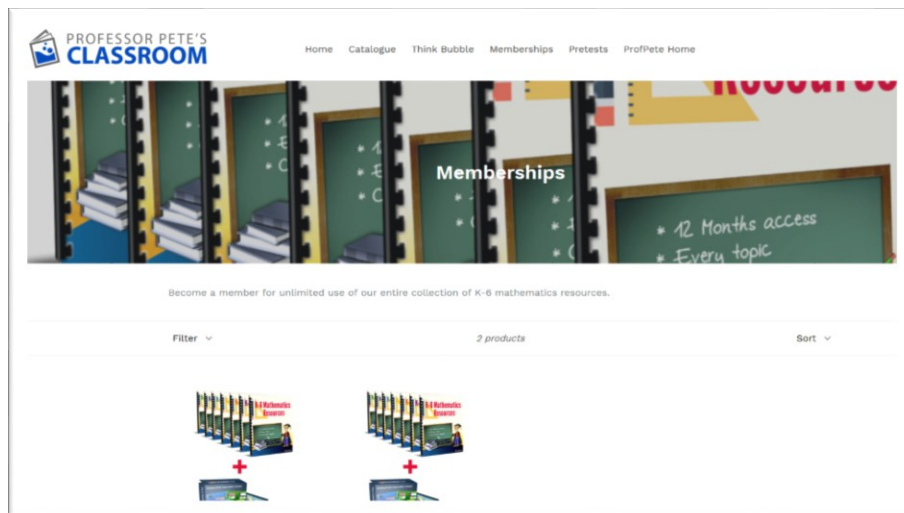
Go to [our store](#) to purchase the level/s you require:



[\[https://professor-petes-classroom.myshopify.com/collections/think-bubble-mathematics\]](https://professor-petes-classroom.myshopify.com/collections/think-bubble-mathematics)

- B. Become a member at Professor Pete's Classroom

Members have 12 months' access to all our resources, including all the Think Bubble Mathematics resources. Go to [our store](#) to become a member:



[\[https://professor-petes-classroom.myshopify.com/collections/memberships\]](https://professor-petes-classroom.myshopify.com/collections/memberships)