

Preview:

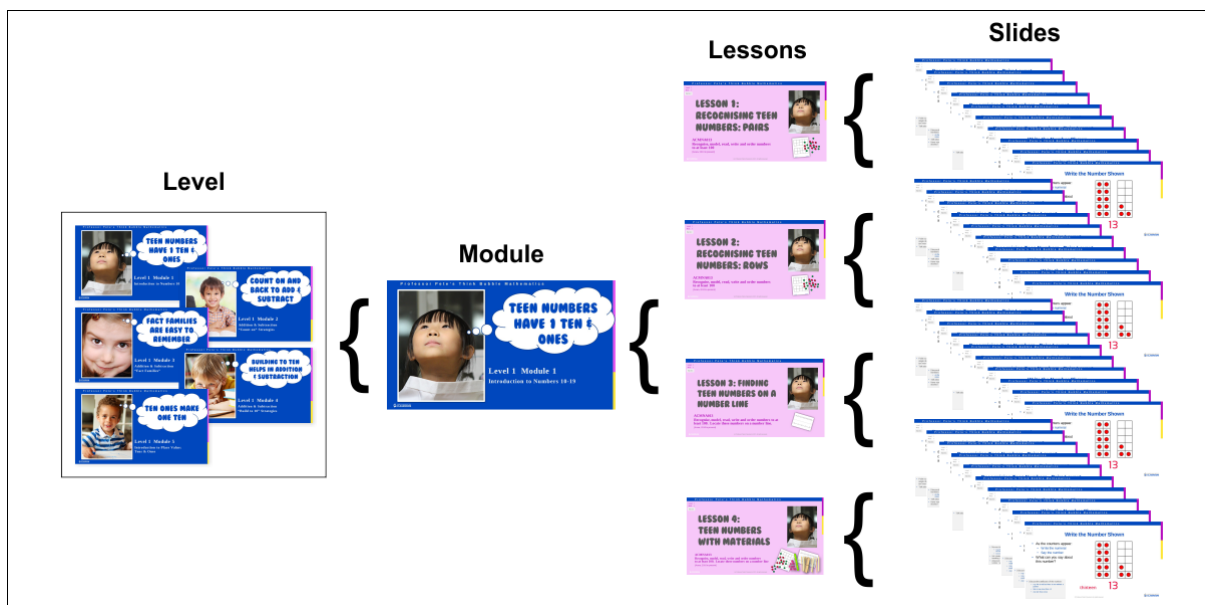
THINK BUBBLE MATHEMATICS

LEVEL 2

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


Regrouping with Tens and Ones
[PowerPoint TBM201]

Professor Pete's Think Bubble Mathematics

Level: 2
Unit: 1
INDEX

One Ten is Ten Ones

- If we unbundle all the tens, how many ones are there altogether?



64 sixty-four ones

PROFESSOR PETE'S CLASSROOM


Hundreds Place Expanded [PowerPoint TBM202]

Professor Pete's Think Bubble Mathematics

Level: 2
Unit: 2
INDEX

1 Hundred is 10 Tens

- How many hundreds?
- How many tens?



400

4 hundreds
40 tens

- Practice bundling and unbundling.
- 4 hundreds is 40 tens.
- Ask questions about the number of tens and the number of hundreds.

PROFESSOR PETE'S CLASSROOM

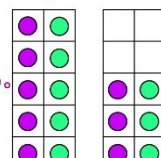
Doubling and Halving to 20 [PowerPoint TBM203]

Professor Pete's Think Bubble Mathematics

Level: 2
Unit: 2
INDEX

Doubling Numbers Using Double Ten Frames

Double ten frames show us double facts beyond 10.



8 + 8 = 16

- Doubling on a ten frame.
- If numbers greater than two ten frames are needed.
- The first 8 is shown as 5 and 3 in the two ten frames.
- The answer can be subdivided as double 8 (16) plus double 2 (8).

PROFESSOR PETE'S CLASSROOM

Hundreds on a Number Line [PowerPoint TBM204]

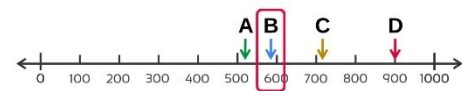
Professor Pete's Think Bubble Mathematics

Level: 2
Unit: 4
INDEX

Locate Number

Which of these arrows best marks the position for this number?

585



- Ask students to write which one of the numbers is closest to the point indicated by the arrow.
- Click to reveal a more detailed number line.
- Discuss.


PROFESSOR PETE'S CLASSROOM

Bridging Ten on Open Number Lines [PowerPoint TBM205]

Professor Pete's Think Bubble Mathematics

Level: 2
Unit: 5
INDEX

Number Sentences to Make 10



- Write the fact family for this ten frame.

1 + 9 = 10
9 + 1 = 10

- Talk to students about investigating the missing counters to "build to ten".
- Write the fact family.
- Students need to become fluent with collections of facts like this.

PROFESSOR PETE'S CLASSROOM

Addition of 2 Digit Numbers with Regrouping [PowerPoint TBM206]

Professor Pete's Think Bubble Mathematics

Level: 2
Year: 2
Skill: Addition

Base Ten Materials - Addition

1)
$$\begin{array}{r} 85 \\ + 6 \\ \hline \end{array}$$

Work these

Subtraction of 2-Digit Numbers with Regrouping [PowerPoint TBM207]

Professor Pete's Think Bubble Mathematics

Level: 2
Year: 2
Skill: Subtraction

Hundred Board - Take Away, Count Back

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

5) $48 - 4 = 44$

Have the students count back with the arrow

Subtraction of 2-Digit Numbers with Regrouping [PowerPoint TBM208]

Professor Pete's Think Bubble Mathematics

Level: 2
Year: 2
Skill: Subtraction

Using Blocks

- Put out 3 groups of 7 blocks
- How many blocks altogether?
- Write it as 'groups of'

3 groups of 7 = 21

Have the students show the 3 groups of 7 blocks
Have them write the 'groups of number sentence'
Discuss how many 7s there will need to be in the addition number sentence

Writing and Spelling Numbers to 999 [PowerPoint TBM209]

Professor Pete's Think Bubble Mathematics

Level: 2
Year: 2
Skill: Writing

Bundling Sticks

$7 \text{ hundreds} + 2 \text{ tens} + 8 \text{ ones} = 728$
seven hundred and twenty-eight

Have students use the worksheet to write the missing numbers and spell the number shown
Do this first one together

Time Quarter To and Past, Calendars [PowerPoint TBM210]

Professor Pete's Think Bubble Mathematics

Level: 2
Year: 10
Skill: Time

Seasons in Australia

Which season are these months in?

The seasons was related to the clock with counting one hour before to point towards or away from the sun
The sun's rays are more directly overhead in summer so it is hotter with daylight hours longer
Demonstrate with a globe if necessary

Level 2 Lesson Topics:

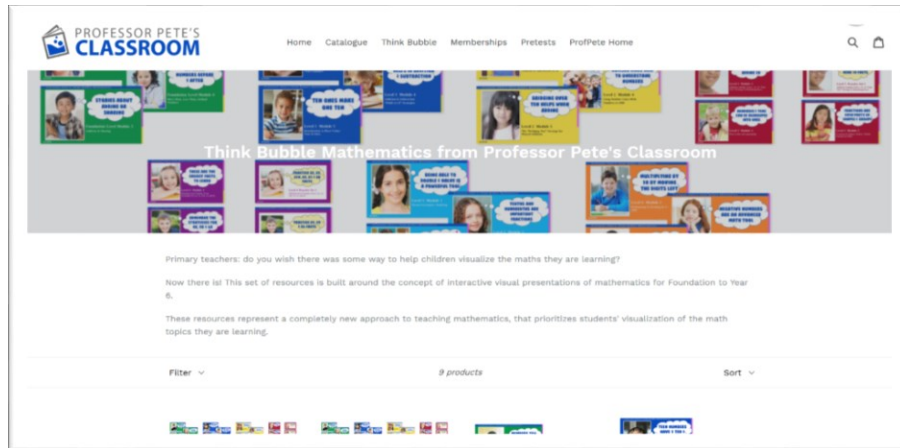
- Module 1:
 - 10 Ones Make a Ten 1
 - Ten is 10 Ones
 - Non-Standard Representations of Tens and Ones
 - Ungrouping Tens into Ones
- Module 2:
 - Ten Tens Make One Hundred
 - 100 Ones Make One Hundred
 - 130 Makes 13 Tens or 130 Ones
 - HTO Can Be Written in Many Ways
- Module 3:
 - Doubling & Halving to 10
 - Doubling to 20
 - Halving to 20
 - Revise Doubling & Halving to 20
- Module 4:
 - Locating a Number Between Two Tens
 - Locating a Number on a Number Line to 100
 - Locating Numbers on a Number Line to 1000
 - Locating Numbers on a Number Line – Check the Scale
- Module 5:
 - Build to Ten
 - Bridging Ten
 - Introducing Bridging Ten on an Open Number Line
 - Bridging Ten on an Open Number Line
- Module 6:
 - Addition as Counting on No Grouping
 - Addition Bridging Ten
 - Bridging Ten on Open (Empty) Number Lines
 - Regrouping Ten with Base Ten Materials
- Module 7:
 - Subtraction as Counting Back
 - Counting Back Bridging Ten
 - Bridging Ten on Open (Empty) Number Lines
 - Regrouping Ten with Materials
- Module 8:
 - Multiplication as Repeated Addition
 - Arrays are Rows of Objects
 - Using Blocks
 - The Multiplication Sign
- Module 9:
 - Spelling Numbers 0-99 & Ordinal Numbers
 - Spelling Numbers to 999
 - Ordinal Numbers Revision
 - Writing Numbers Using Expanded Notation
- Module 10:
 - O'clock, Half Past Revision
 - Quarter Past
 - Quarter To
 - Time Activities

Accessing Think Bubble Mathematics

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

- A. Purchase a Think Bubble Mathematics product

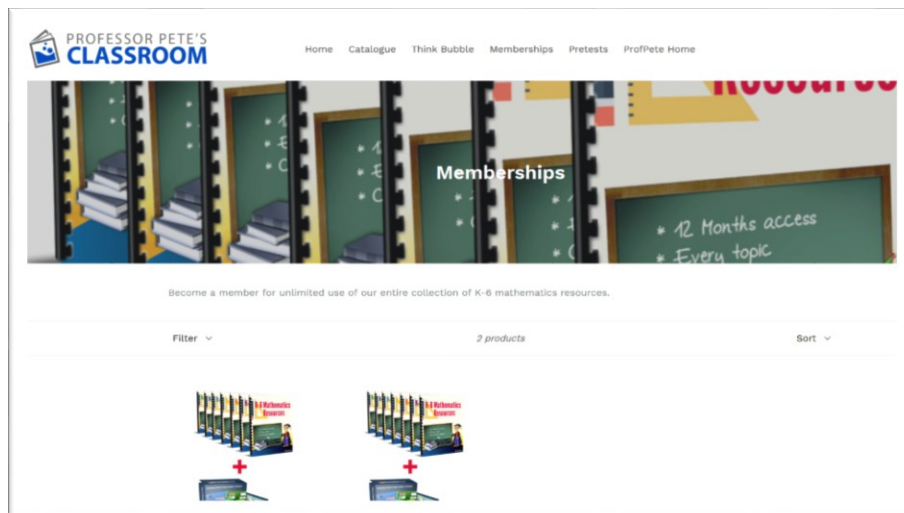
Go to [our store](#) to purchase the level/s you require:



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