

MATHEMATICS CURRICULUM BRIEFING

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HOD Mathematics



Outline

- P3 Math Syllabus
- Learning Experiences
- Assessment Format
- Common Errors In Mathematics
- Support Your Child In Mathematics

P3 Mathematics Syllabus

- Whole Numbers
- Multiplication Tables
- Money
- Length, Mass and Volume
- Bar Graphs
- Fractions
- Time

**Extension of
P1 and P2 learning**

-
- Angles
 - Perpendicular and Parallel Lines
 - Area and Perimeter

New topics

Learning Experiences

- enhance **conceptual understanding** through use of the **Concrete-Pictorial-Abstract (CPA)** approach



- apply concepts and skills learnt in **real-world contexts**
- **communicate** their reasoning and connections through various mathematical tasks and activities
- build **confidence** and **foster interest** in Mathematics.

Use of Manipulatives

- To develop conceptual understanding
 - Help pupils create *relationships* as they give them something to see and reflect on)

Fraction bar



Cubes



Play Money



Number disc



Use of ICT Resources

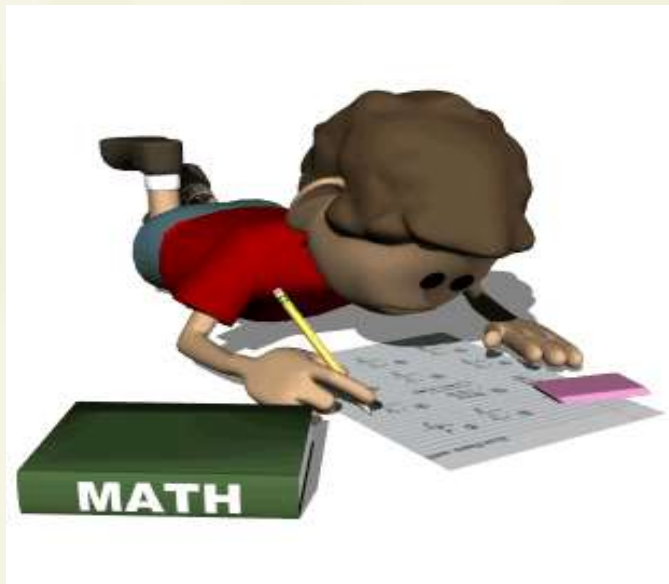


Math App on iPADS



Assessments

- Checking for Understanding
- Semestral Assessment 1 and 2



Format for Semestral Assessment

Section	No of Q	Weighting	Duration
A	20	40 m	1 h 30 min
B	10	20 m	
C	6	20 m	
Total	36	80 m	

Common Errors



Mathematical Equations

Solution given by Student A	Solution given by Student B
$10 \times 50 = 500$ (M1) $500 + 60 = 560$ (M1) $560 - 80 = 480$ (M1) Answer : \$480 (A1)	$10 \times 50 = 500$ (M1) Answer : \$480 (A1)
Total marks awarded : 4	Total marks awarded : 2

Show working clearly !

Transfer and Calculation Errors

Solution given by Student C

$$10 \times 50 = 500 \text{ (M1)}$$

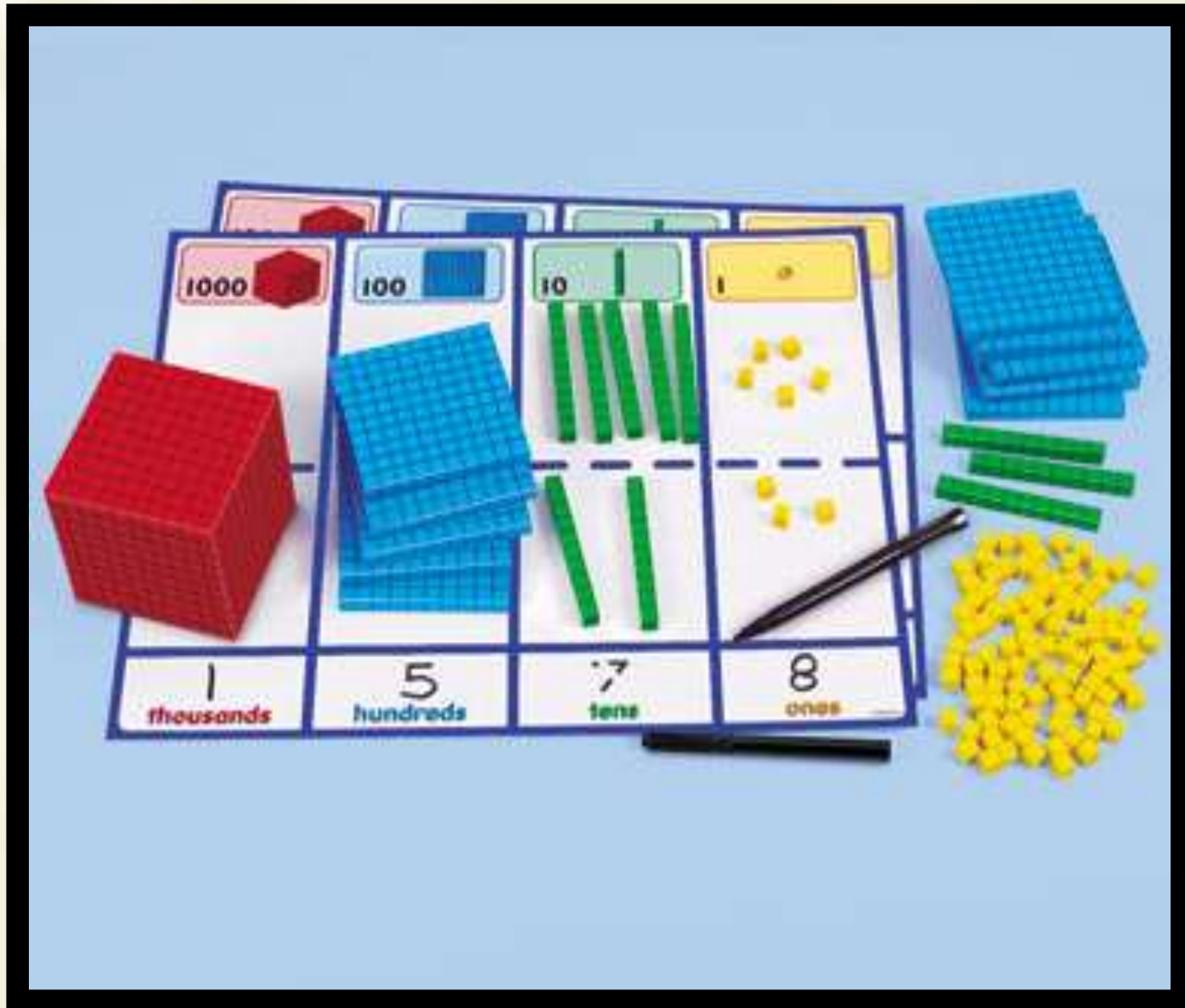
$$500 + 60 = 560 \text{ (M1)}$$

$$506 - 80 = 426 \text{ (M1)}$$

Answer : \$426 (A0)

Total marks awarded : 3

PLACE VALUE



Answer to Question

Case 1:

In 2 694, the **value** of the digit 2 is 2 000 thousands.

It should be:

In 2 694, the **value** of the digit 2 is 2 thousands.

Case 2:

In 2 694, the digit 2 is in the 2 000 place.

It should be:

In 2 694, the digit 2 is in the thousands place.

The background features a light blue gradient with several overlapping, semi-transparent geometric shapes in various shades of blue, teal, and purple. The shapes include triangles, trapezoids, and rounded rectangles, some of which are reflected on a surface below them.

ERAFRACTIONS

(Fractions) Simplest Form

Evaluate the following.

Express your answer in the simplest form.

$$\frac{4}{12} + \frac{1}{6}$$
$$= \frac{6}{12} \quad \times$$

Correct Equation

$$\frac{4}{12} + \frac{1}{6}$$
$$= \frac{6}{12}$$
$$= \frac{1}{2} \quad \checkmark$$

A close-up photograph of a clock face with Roman numerals. The word "TIME" is overlaid in the center in large, bold, multi-colored letters (purple, red, and blue). The clock face is light-colored with dark Roman numerals and hands. The word "QUARTZ" is visible below the center, and "SWISS MOVT" is at the bottom.

TIME

QUARTZ

SWISS MOVT

TIME

Example 1

Ten o'clock at night,
written in:

12-h clock \Rightarrow 10:00 p.m.

24-h clock \Rightarrow 22 00 p.m.

Correct Expression

12-h clock \rightarrow 10.00 p.m.

24-h clock \rightarrow 22 00

TIME

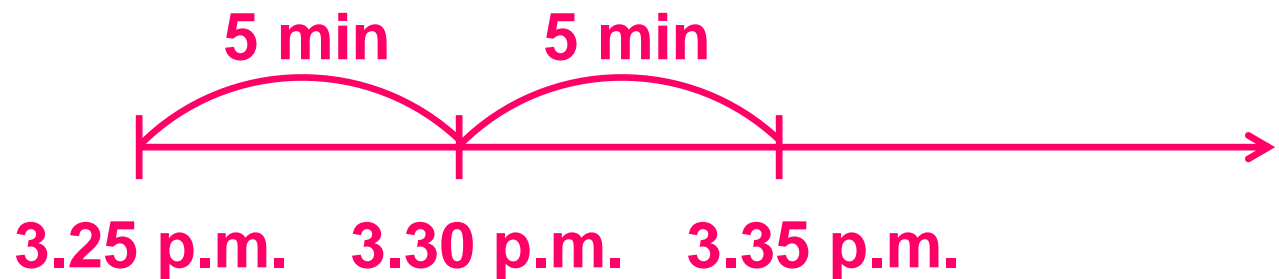
Example 2

What is 10 minutes after 3.25 p.m. ?

$$3.25 \text{ p.m.} + 10 \text{ min} = 3.35 \text{ p.m.}$$

Time **Duration** **Time** **X**

Correct
Presentation



Presenting the Answer in Dollars



Presenting the Answer in Dollars

Common Error :

- \$1.5 **X** \$1.50 **✓**

- **Correct ways of presenting the answer :**

\$4.50

\$20 or \$20.00

Support your Child in Mathematics

Do.....

- Monitor your child's daily work.
- Encourage your child to ask questions.
- Praise your child for any progress made.
- Motivate your child to improve.



The 4A*s

A*ttendance

A*ctive Participation

A*ttitude

Sense of Urgency.Focus.Self-Discipline.Excellence Mindset

A*chievement

B
is
for
Belief



THANK YOU!

