

Primary 5 Mathematics



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Curriculum Matters

| Term 1 | Term 2 |
|-------------------|--------------------|
| Whole Numbers (1) | Fractions (2) |
| Whole Numbers (2) | Area of a Triangle |
| Fractions (1) | Ratio |



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Curriculum Matters

| Term 3 | Term 4 |
|--------------|---|
| Decimals | Angles |
| Measurements | Properties of Triangles and 4-sided Figures |
| Percentage | Geometric Construction |
| Average | Volume of Cube and Cuboid |



Math Resources

Resource Package :
Textbook cum workbook

Concept booklets

Speed Tests



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Math Resources (5Xa, Jo, Pa)

My Pals are Here :
Homework Book

Bridging Worksheets (Topical)

Concept booklets

Speed Tests



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Curriculum Matters

Some class routines

- Draw model using pencil and ruler
- Corrections to be completed in green
- Homework to be handed in the following day



Math Assessment Plans

| | | |
|--------|---------------|--------------|
| Term 1 | Topical Tests | No weighting |
| Term 2 | SA1 | 40% |
| Term 3 | Topical Tests | No weighting |
| Term 4 | SA2 | 60% |



Examination Format

Paper 1
(1 hour)

Non-calculator component

Paper 2
(1 hour 30 minutes)

Calculator component

There will be a break between the two papers



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Examination Format

Paper 1

| Paper | Item Type | No. of Qns. | No. of marks per Qn. | Weighting | Duration |
|-------|------------------------|-------------|----------------------|-----------|----------|
| 1 | Booklet A MCQ | 10 | 1 | 10% | 1 hour |
| | | 5 | 2 | 10% | |
| | Booklet B Short-ans | 5 | 1 | 5% | |
| | | 10 | 2 | 20% | |
| Total | | | | 45% | |



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Examination Format

Paper 2

| Paper | Item Type | No. of Qns. | No. of marks per Qn. | Weighting | Duration |
|-------|-----------------------|-------------|----------------------|-----------|------------|
| 2 | Short-ans | 5 | 2 | 10% | 1 h 30 min |
| | Structured / Long-ans | 12 | 3, 4, 5 | 45% | |
| Total | | | | 55% | |



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Time Management

Duration for Paper 1 : 1 hour

Booklet A : 25 minutes

Booklet B : 25 minutes

Checking : 10 minutes

Duration of Paper 2 : 1 hour 30 minutes



5 Short answer questions : 15 minutes

Long structured questions : 55 minutes

Checking : 20 minutes



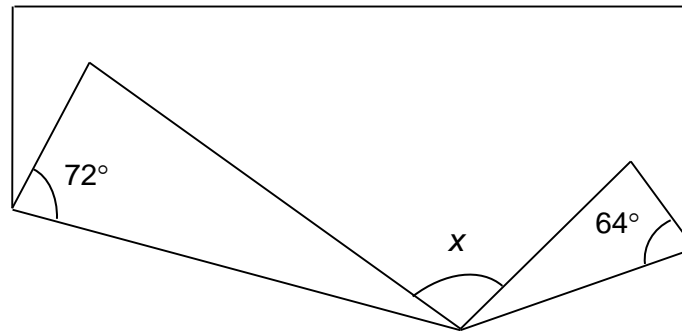
2-Mark Short Answer Question

| | 2 mark | 1 mark |
|---------------------------------------|--|---|
| Correct answer |  | |
| Correct method but wrong answer | |  |



Correct Method But Wrong Answer

The figure below shows a rectangular piece of paper folded at two of its corners. Find $\angle x$.



$$90^\circ - 72^\circ = 18^\circ$$

$$90^\circ - 64^\circ = 26^\circ$$

$$180^\circ - (18^\circ \times 2) - (26^\circ \times 2) = \underline{92^\circ} \quad (\text{M1 A1})$$

$$90^\circ - 72^\circ = \mathbf{16^\circ}$$

$$90^\circ - 64^\circ = 26^\circ$$

$$180^\circ - (\mathbf{16^\circ} \times 2) - (26^\circ \times 2) = \underline{96^\circ} \quad (\text{M1})$$



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Structured / Long Answer Question

- For each question, a pupil has to show his equations clearly.
- Marks are allocated for correct method or workings shown.



Areas of Concern

- From P4 to P5, there is a significant increase in the level of difficulty in terms of content. Pupils have to continue to work hard.
- With the introduction of calculator, pupils tend to rely on it even though the question does not require it.



What a child should do....

1. Build a strong foundation in basis knowledge.
2. Constant revision
 - Practise questions of different concepts to strength the concepts.
3. Revise all the topics that would be tested, including previous and current year topics.
4. Start out with simple sums before moving on to more difficult sums.



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Strategy for Solving Word Problems

Step 1 : **R**ead questions carefully.

Step 2 : **U**nderline magic words.

Step 3 : **L**ook for clues.

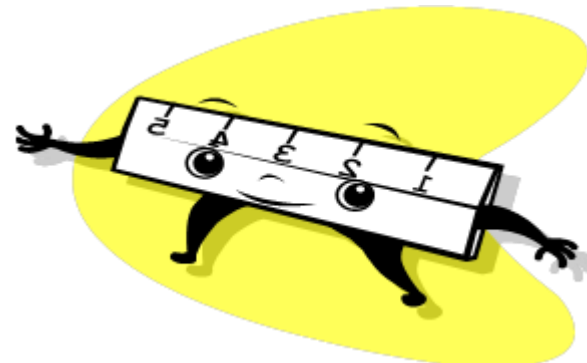
Step 4 : **E**quations are a MUST!

Step 5 : **R**eady to check. (Use estimation to check the reasonableness of answers.)

RULER!



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Some exam strategies

1. Always attempt the questions according to the order in the paper to build up confidence for the rest of the paper.
2. If the pupil come across a difficult question, he should skip it and move on before going back. (Hopefully not too many)



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Some exam strategies

3. Guess and Check :

- Should be the last resort to solve problems.
- Is important to label the tables and to check against the criteria specified in the questions.
- Write neatly as the pupils tend to be untidy in the presentation



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Math Olympiad Competitions

Organised by the following schools:

- NUS High
- Anglo Chinese School Independent
- Australian Math
- Open to pupils who are interested
- Online registration will be done through C2HAMPS. Details will be provided at a later date.



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