

MATHCONCEPT

數學 · 思維 Learning Center

Quick Test 6 (Primary 6 Standard)

- The test has to be completed in 30 minutes. No calculator is allowed.
- The questions follow the latest ‘Mathematics Curriculum Guide (Primary 1 ~ Primary 6)’ from the Hong Kong Curriculum Development Council.
- Those with marked * are challenging questions from “A+ Math Olympiad”.

Answers (Free detailed solutions can be obtained in our centers)

- 1) 8.64 2) 21 3) $0.125, \frac{1}{8}$ 4) 120 5) 50 minutes 6) 20 7) 150 cm^3
 8) 125.6 cm 9) 28.8 days 10) B gets \$7 more, C get \$299 less

Number of correct questions	Comment
0~4	Below average
5~6	Unstable
7~8	Standard
9~10	Distinction

“Quick Test” is only a preliminary assessment. **MATHCONCEPT Diagnostic Test (MDT)** is designed to determine precisely the math level of the student and analyze their strength and weakness on different math topics. You are welcomed to make appointment for assessment in any of our MathConcept center.

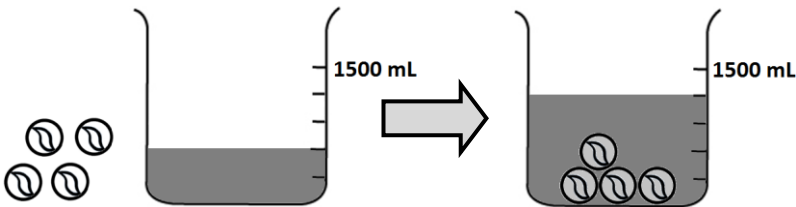
MATHCONCEPT Diagnostic Test (MDT)

“MATHCONCEPT Diagnostic Test” consists of two parts and the whole test requires around 60 to 90 minutes to complete. The first part is a written test that designed to evaluate the student's strength and weakness with respect to grade-level material. The second part of the assessment is a series of oral questions that designed to evaluate student's understanding of key math concepts and skills. After the student has completed the assessment, our qualified MATHCONCEPT tutor will then explain thoroughly about the test result to the parents, generate a tailor-made learning plan and give out the curriculum materials that cater to the unique needs of each student.

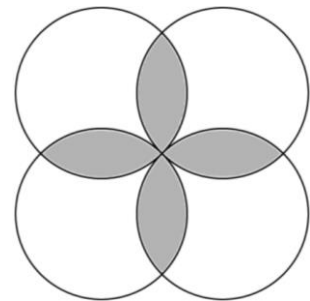
<div data-bbox="151 1456 790 2038"> <p>MATHCONCEPT education at Tseung Kwan O (TKO) 01/06/2015</p> <p>ASSESSMENT CHART Date Taken: 12/03/2013</p> <p>TKO-1163 Level P1 Avg: 71%</p> <p>Computation 73% 32,33,52,53 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,54,55,56,57,5</p> <p>Fraction Sense 50% 34,35,36,37,38</p> <p>Measurements 67% 24,25 67,68 43 64 65,66</p> <p>Number Sense 80% 41 39,31,47,48</p> <p>Problem Solving 40% 60,61,62 39,40</p> <p>Shapes 60% 43,44,45,46,63</p> <p>Spatial Relationships 100% 49,50,51</p> <p>Unit Sense 78% 19,20,21,22,23 26,27,28,29</p> <p>Skip Counting Whole Numbers (+/-) Whole Numbers (mult) Half of a Number Calendar Drawing Missing Lines Length and Distance Time Number Facts Place Values Computation Word Problems Identifying Shapes Comparing Objects Money Concepts Units of Measurement</p> <p style="text-align: center;">Assessment Report</p> </div>	<div data-bbox="805 1456 1492 2038"> <p>MATHCONCEPT education Level P1, at Tseung Kwan O (TKO) 01/06/2015</p> <p>Prescriptive Learning Plan</p> <table border="1"> <thead> <tr> <th>Topic</th> <th>Prescriptive</th> <th>Subtopic</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Computation</td> <td><input type="checkbox"/> 002_1</td> <td>Extended Number Facts Addition</td> <td>Whole Numbers (+/-)</td> </tr> <tr> <td><input type="checkbox"/> 003_1</td> <td>Number Facts Subtraction</td> <td>Whole Numbers (+/-)</td> </tr> <tr> <td><input type="checkbox"/> 014_1</td> <td>> or < Than 10</td> <td>Skip Counting</td> </tr> <tr> <td><input type="checkbox"/> 015_1</td> <td>Multiplication Basics</td> <td>Whole Numbers (mult)</td> </tr> <tr> <td rowspan="2">Fraction Sense</td> <td><input type="checkbox"/> 021_2</td> <td>Subtraction without borrowing</td> <td>Whole Numbers (+/-)</td> </tr> <tr> <td><input type="checkbox"/> FO_32</td> <td>Addition Practice</td> <td>Whole Numbers (+/-)</td> </tr> <tr> <td rowspan="1">Fraction Sense</td> <td><input type="checkbox"/> 010_1</td> <td>Half of Odd</td> <td>Half of a Number</td> </tr> <tr> <td rowspan="3">Measurements</td> <td><input type="checkbox"/> SC107</td> <td>Centimeters</td> <td>Length and Distance</td> </tr> <tr> <td><input type="checkbox"/> SC108</td> <td>Length and Distance (cm, mm)</td> <td>Length and Distance</td> </tr> <tr> <td><input type="checkbox"/> SC111</td> <td>Time</td> <td>Calendar</td> </tr> <tr> <td rowspan="1">Number Sense</td> <td><input type="checkbox"/> SCA04</td> <td>Placing Values</td> <td>Place Values</td> </tr> <tr> <td rowspan="3">Problem Solving</td> <td><input type="checkbox"/> 018_1</td> <td>Problem Solving w/Word Problems</td> <td>Word Problems</td> </tr> <tr> <td><input type="checkbox"/> EPS101-105</td> <td>Addition</td> <td>Computation</td> </tr> <tr> <td><input type="checkbox"/> EPS106-108</td> <td>Subtraction</td> <td>Computation</td> </tr> <tr> <td rowspan="2">Shapes</td> <td><input type="checkbox"/> SC103</td> <td>Geometric Shapes</td> <td>Identifying Shapes</td> </tr> <tr> <td><input type="checkbox"/> SCA03</td> <td>Identifying 3-D Shapes</td> <td>Identifying Shapes</td> </tr> <tr> <td rowspan="2">Unit Sense</td> <td><input type="checkbox"/> 007_1</td> <td>Courting Money</td> <td>Money Concepts</td> </tr> <tr> <td><input type="checkbox"/> 008_1</td> <td>Measurement Basics</td> <td>Units of Measurement</td> </tr> </tbody> </table> <p style="text-align: center;">Learning Plan</p> </div>	Topic	Prescriptive	Subtopic	Computation	<input type="checkbox"/> 002_1	Extended Number Facts Addition	Whole Numbers (+/-)	<input type="checkbox"/> 003_1	Number Facts Subtraction	Whole Numbers (+/-)	<input type="checkbox"/> 014_1	> or < Than 10	Skip Counting	<input type="checkbox"/> 015_1	Multiplication Basics	Whole Numbers (mult)	Fraction Sense	<input type="checkbox"/> 021_2	Subtraction without borrowing	Whole Numbers (+/-)	<input type="checkbox"/> FO_32	Addition Practice	Whole Numbers (+/-)	Fraction Sense	<input type="checkbox"/> 010_1	Half of Odd	Half of a Number	Measurements	<input type="checkbox"/> SC107	Centimeters	Length and Distance	<input type="checkbox"/> SC108	Length and Distance (cm, mm)	Length and Distance	<input type="checkbox"/> SC111	Time	Calendar	Number Sense	<input type="checkbox"/> SCA04	Placing Values	Place Values	Problem Solving	<input type="checkbox"/> 018_1	Problem Solving w/Word Problems	Word Problems	<input type="checkbox"/> EPS101-105	Addition	Computation	<input type="checkbox"/> EPS106-108	Subtraction	Computation	Shapes	<input type="checkbox"/> SC103	Geometric Shapes	Identifying Shapes	<input type="checkbox"/> SCA03	Identifying 3-D Shapes	Identifying Shapes	Unit Sense	<input type="checkbox"/> 007_1	Courting Money	Money Concepts	<input type="checkbox"/> 008_1	Measurement Basics	Units of Measurement
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Quick Test 6

- $12.14 - (7.98 + 5.32) \div 3.8 = \underline{\hspace{2cm}}$
- $\frac{4(p+9)}{5} = 24$, $p = \underline{\hspace{2cm}}$
- Convert 12.5% into a decimal and a simplest fraction.
- If a schoolbag is sold at \$ 72 with 40% discount, its original price is $\underline{\hspace{2cm}}$.
- A car travels from city A to B. The two cities are 45 km apart. If it travels at a speed of 54 km/h, how many minutes does it take?
- Dissolve 100 g salt into 400 g water, the concentration of the salt water is $\underline{\hspace{2cm}}$ %.
- Find the volume of each marble.



- The figure on the right consists of 4 identical circles and the radius of each circle is 10 cm. Find the perimeter of the shaded part. (Take $\pi = 3.14$)



- *9.** An engineer and 3 workers need 16 days to finish the work together and 2 engineers and a worker need 18 days. If an engineer and a worker work together, how many days do they need?
- *10.** Some money was shared to persons A, B and C by the ratio 21 : 16 : 25. But the amount was decreased by \$265 and the ratio then changed to 20 : 15 : 18. If person A gets \$ 27 more, how much more or less do persons B and C get?