

# MATHCONCEPT

## 數學 · 思維 Learning Center

### Quick Test 5 (Primary 5 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)  $2\frac{2}{15}$    2) 128   3) 1.9782   4) 1.11   5)  $3\frac{17}{45}$    6) 37.848 kg  
 7) 24 cm<sup>2</sup>   8) 1400 cm<sup>3</sup>   9) 45   10) 27 cows, 15 days

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.

<b>MATHCONCEPT education</b> TKO-1163 Avg: 71% <b>ASSESSMENT CHART</b> Date Taken: 12/03/2013 Level P1	<b>MATHCONCEPT education</b> Level P1, at Tsung Kwan O (TKO) 01/09/2015 <b>Prescriptive Learning Plan</b>																																																																
<p><b>Assessment Report</b></p>	<table border="1"> <thead> <tr> <th>Topic</th> <th>Prescriptive</th> <th>Subtopic</th> </tr> </thead> <tbody> <tr> <td rowspan="5"><b>Computation</b></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>&gt; or &lt; 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><input type="checkbox"/> 021_2</td> <td>Subtraction without borrowing</td> <td>Whole Numbers (+ / -)</td> </tr> <tr> <td rowspan="2"><b>Fraction Sense</b></td> <td><input type="checkbox"/> FO_32</td> <td>Addition Practice</td> <td>Whole Numbers (+ / -)</td> </tr> <tr> <td><input type="checkbox"/> 010_1</td> <td>Half of Odd</td> <td>Half of a Number</td> </tr> <tr> <td rowspan="3"><b>Measurements</b></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="2"><b>Number Sense</b></td> <td><input type="checkbox"/> SCA04</td> <td>Placing Values</td> <td>Place Values</td> </tr> <tr> <td rowspan="3"><b>Problem Solving</b></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"><b>Shapes</b></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"><b>Unit Sense</b></td> <td><input type="checkbox"/> 007_1</td> <td>Counting 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><b>Learning Plan</b></p>	Topic	Prescriptive	Subtopic	<b>Computation</b>	<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)	<input type="checkbox"/> 021_2	Subtraction without borrowing	Whole Numbers (+ / -)	<b>Fraction Sense</b>	<input type="checkbox"/> FO_32	Addition Practice	Whole Numbers (+ / -)	<input type="checkbox"/> 010_1	Half of Odd	Half of a Number	<b>Measurements</b>	<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	<b>Number Sense</b>	<input type="checkbox"/> SCA04	Placing Values	Place Values	<b>Problem Solving</b>	<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	<b>Shapes</b>	<input type="checkbox"/> SC103	Geometric Shapes	Identifying Shapes	<input type="checkbox"/> SCA03	Identifying 3-D Shapes	Identifying Shapes	<b>Unit Sense</b>	<input type="checkbox"/> 007_1	Counting Money	Money Concepts	<input type="checkbox"/> 008_1	Measurement Basics	Units of Measurement
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## Quick Test 5

1.  $2\frac{3}{4} + 1\frac{7}{12} - 2\frac{1}{5} =$  \_\_\_\_\_

2.  $\frac{x}{8} = 16$ ,  $x =$  \_\_\_\_\_

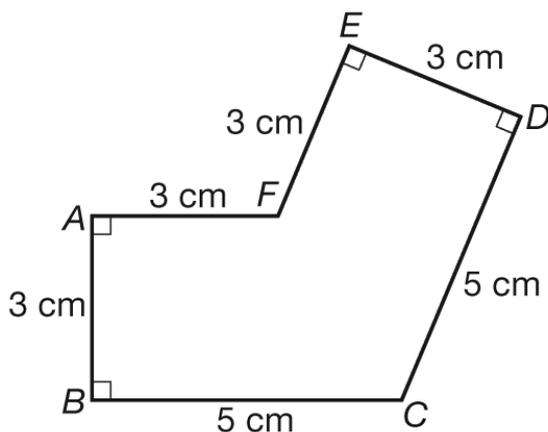
3.  $3.14 \times 0.63 =$  \_\_\_\_\_

4. Calculate  $94.6 \div 85$  and round off to the nearest hundredth.

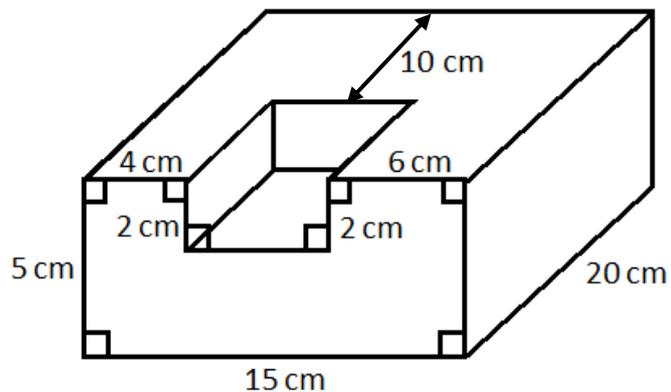
5. The area of a parallelogram-shaped badge is  $7\frac{3}{5}$  cm<sup>2</sup>. If its base is  $2\frac{1}{4}$  cm, what is the height of the badge?

6. Dad weighs 66.4 kg. The weight of the son is 0.57 times that of Dad. How heavy is the son ?

7. Find the area of the figure below.



8. Find the volume of the solid as shown below.



**\*9.** Pile up the toy boxes into a triangular shape. There is 1 box in the 1<sup>st</sup> level on the top, 2 boxes in the 2<sup>nd</sup> level, so on and so forth. If there are 1035 boxes in total, how many levels are there?

**\*10.** There are 3 lawns with the same size in a field. Assume the grass grows by certain amount each day. 13 cows can finish 2 lawns in 9 days and 15 cows finish 2 lawns in 5 days. How many cows finish 3 lawns in 3 days? How many days do 18 cows need to finish 3 lawns ?