Daily Lesson Plans with Answers
for **Singapore Math**® **Primary Series**

Mathematics | 3B

Developed by
MY FATHER'S WORLD®

Introduction to Assignments in Singapore 3B

Singapore Math® builds upon itself, concept by concept, and some of the foundational concepts are a bit different than those to which we are accustomed, but it is important to teach the program as closely to the intention of the authors as possible.

My Father's World has reviewed each lesson and adds simple suggestions and comments only where necessary. When you see a question in the Textbook like "which is more?" answer by using this particular terminology. Use "mathematical vocabulary" as often as possible. Hints for terminology will be provided in the form of a "KeyTerm" where possible. Carry mathematics into the "real world" by integrating the terminology into conversations throughout the day.
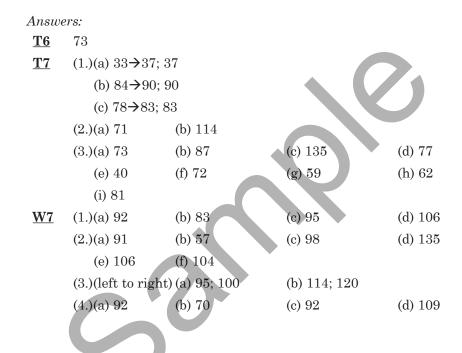
Materials Needed:

- Index cards (of various colors). [starting Day 8]
- Meter Stick (or you can use a sring cut to 1 meter). Buying one with inches on the back will allow it to also to be used as a yard stick (just put a piece of masking tape at 36 inches to show the end of the yard) and will also clearly shows the relationship of a meter to a yard. [starting Day 8]
- Metric Kitchen Scale. (bathroom scale can also be use). [starting Day 17]
- 2-liter bottle.[Day 17]
- Brick. [Day 17]
- School Bag (Backpack). [Day 17]
- Paper cups. [Day 29]
- Bucket (or large pot). [Day 29]
- Liter Measure. [Day 29]
- Measuring cups. [Day 35]
- Analog Clock. [starting Day 53]
- Stopwatch (or clock with second hand). [Day 59]
- 2 playing cards (or index cards). [Day 65]
- 4 square and 4 half-square triangle cards (see picture on Textbook p96). [Day 67]

Mental Calculation: Addition

_____ **Day 1**   Textbook pages 6-7 (through problem #3)

Workbook page 7

- ***KeyTerm:*** mental math
- The next several lessons focus on mental math, or doing math problems without using paper. Be sure to emphasize this mental math component when doing these problems.

Answers:

T6   73

T7   (1.)(a) 33→37; 37

(b) 84→90; 90

(c) 78→83; 83

(2.)(a) 71   (b) 114

(3.)(a) 73   (b) 87   (c) 135   (d) 77

(e) 40   (f) 72   (g) 59   (h) 62

(i) 81

W7   (1.)(a) 92   (b) 83   (c) 95   (d) 106

(2.)(a) 91   (b) 57   (c) 98   (d) 135

(e) 106   (f) 104

(3.)(left to right) (a) 95; 100   (b) 114; 120

(4.)(a) 92   (b) 70   (c) 92   (d) 109

Workbook pages 8-9

Answers:

T7   (4.) 74

(5.)(a) 66   (b) 92   (c) 110

W8   (1.)(a) 92   (b) 86   (c) 130   (d) 123

(e) 145   (f) 140   (g) 150   (h) 85

W9   (2.)(a) 60   (b) 100   (c) 70   (d) 90

(e) 100   (f) 100   (g) 90   (h) 100

(3.)(a) 105   (b) 102   (c) 141   (d) 166

(e) 182   (f) 135   (g) 190   (h) 195

(i) 197   (j) 198

Mental Calculation: Subtraction

_____ **Day 3**   Textbook pages 8-9

Workbook pages 10-11

Answers:

T8   53

(1.)(a) 55→53; 53

(b) 36→30; 30   (c) 43→35; 35

T9   (2.)(a) 49   (b) 46

(3.)(a) 40   (b) 25   (c) 8   (d) 52

(e) 80   (f) 38

(4.)(a) 16   (b) 30   (c) 26   (d) 32

(e) 40   (f) 8

(5.) 72

(6.)(a) 2   (b) 4   (c) 5   (d) 33

(e)11   (f) 22   (g) 24   (h) 12

(i) 51

W10   (1.) 12   5   90

68   27   27

65   38   12

_____ **Day 68** Textbook pages 98-99

Workbook pages 136-137

- ***KeyTerm:*** square centimeter (cm²)
- The superscript (²) means "squared". It is a shorthand way to write units of area.

Answers:

T98 (2.)(left to right) 4 cm², 9 cm², 16 cm²

(3.)(a) 25 cm²   (b) 100 cm²

T99 (4.) 10 cm²

(5.) A—5 cm², B—8 cm², C—5 cm², D—6 cm²,

E—7 cm², F—6 cm², G—7 cm², H—4 cm²

W136 (1.)

Figure	Area
A	**11** cm²
B	**11** cm²
C	**10** cm²
D	**13** cm²

Figure **A** and Figure **B** have the same area.

Figure **D** has the biggest area.

Figure **C** has the smallest area.

W137 (2.) A—9 cm², B—5 cm², C—7 cm², D—8 cm².

Answers for drawn figures vary.

_____ **Day 69** Textbook page 100

Workbook page 138

Answers:

T100 (6.) A—6 m², B—4 m², C—5 m².

A has the greatest area. **B** has the smallest area.

W138 (1.)(a) 8 cm²   (b) 12 cm²   (c) 5 m²

(d) 6 m²   (e) 9 m²   (f) 8 m²

_____ **Day 75** Workbook pages 146-147—Review 8
No Textbook pages are assigned today.

Answers:

<u>**W146**</u> (1.)(a) 32, 40, 48   (b) 63, 54, 45

          (c) 175, 195, 215   (d) 1934, 1734, 1534

          (2.)(a) 45   (b) 20   (c) 240

<u>**W147**</u> (3.)(a) 3 h 50 min   (b) 11:35 a.m.

          (4.)(a) Area=11 cm², Perimeter=16 cm

          (b) Area=7 m², Perimeter=14 m

          (5.)(a) 35 cm   (b) 36 m

_____ **Day 76** Workbook pages 148-152—Review 9
No Textbook pages are assigned today.

Answers:

<u>**W148**</u> (1.)(a) 5000   (b) 50

          (2.)(a) 6   (b) 5   (c) 5

          (3.)(a) $^4/_5$ (b) $^3/_4$ (c) $^1/_2$

          (4.)(a) $^2/_6$, $^3/_6$, $^5/_6$ (b) $^4/_9$, $^2/_3$, $^7/_9$

          (c) $^3/_8$, $^1/_2$, $^3/_4$

          (5.)(a) 30   (b) 10

<u>**W149**</u> (6.)(a) 15 m2   (b) 16 m2

          (7.) 1 ℓ 500 ml

          (8.) b

          (9.) 850 m

<u>**W150**</u> (10.) $3.60

          (11.) 6:50 a.m.

          (12.) 70

<u>**W151**</u> (13.)(a) 3 lb 3 oz   (b) 16 pt 1 c

          (c) 4 ft 6 in.

          (14.) $1.65

<u>**W152**</u> (15.) $10.75

          (16.) 2 pt