

Kolbe Academy Home School

GRADE TWO MATHEMATICS *MCP Math B*

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Teacher's Notes: Begin every class with a prayer. This is a good way to help the child memorize new prayers. Repeat the same ones every day until they are known. Be sure to explain the meanings of the prayers. Repetition in all areas of study is most beneficial. In most cases, Fridays have been left open. You may do a four day week or use Friday as a "catch-up" day. While art and music should be worked in during the week, Friday is also a good day to concentrate on those subjects.

Your student may not need all of Week 8 for review. You can use this time to catch up if necessary and then go over the subject matter. If you intend to use the sample tests provided, look them over before teaching the subjects and make sure you teach the material in the tests. Some children have a difficult time doing written exams, but it is important for them to learn how to take them. If your second grader does poorly on them, give them to him orally a couple of days after he has taken them and average the grades.

COURSE TITLE: Mathematics

COURSE DESCRIPTION:

Grade Two mathematics continues the activities of first grade in the area of inductive and deductive activities. The book begins with review of what the student has already learned. It is important that the student memorize all math facts. He should know all of the addition and subtraction facts; however, children have a tendency to forget them. Drill the student in the facts with flash cards, writing the facts, doing time tests, or whatever works. Page 293 and 294 of the math book contain the 100 math facts. It is recommended that you copy them and use them as often as every day, if necessary, until the student has mastered all of the facts.

SCOPE AND SEQUENCE:

1. Numerals, counting
2. Addition/subtraction
3. Basic principles
 - ❖ grouping
 - ❖ zero in addition
 - ❖ zero principle in subtraction
4. Measurement
5. Geometry
6. Problem solving

SKILLS TO BE DEVELOPED

- ❖ mental activity of adding numbers without use of paper and pencil
- ❖ use of real objects for association of abstract principles
- ❖ all segments of problems written for the development of:
 - mental skills
 - finger dexterity

COURSE TEXT: *MCP Math B* (1994)

COURSE PLAN METHODOLOGY: *Modern Curriculum Press Math B* is represented by the abbreviation **MCP**. Each weekly assignment is summarized in the first line of the week's daily course plan. The specific daily assignments are outlined in the following lines indicated by the **MON**, **TUES**, **WED**, and **THUR** abbreviations.

Kolbe Academy has worked diligently to create the best possible course plans with the home schooling family in mind. Remember, however, that our program is intended to be flexible. Per the principle of subsidiarity, these course plans are a suggested course of study. As the teacher, you should adapt and modify these course plans to meet the individual learning needs of your child. Do not feel obligated to follow these course plans exactly.

◆◆◆ FIRST QUARTER ◆◆◆

WEEK 1	
MCP	Pages 1 – 10
MON	Pages 1 – 3
TUE	Pages 4 – 6
WED	Pages 7 – 8
THUR	Pages 9 – 10
Notes	
WEEK 2	
MCP	Pages 11 – 20. Be sure the student has memorized perfectly all of the addition and subtraction facts through 10.
MON	Pages 11 – 12
TUE	Pages 13 – 15. If necessary spend extra time on word problems. Make sure there is a good understanding of them.
WED	Pages 16 – 18. If necessary spend extra time on word problems. Make sure there is a good understanding of them.
THUR	Pages 19 – 20
Notes	
WEEK 3	
MCP	Pages 21 – 32
MON	Pages 21 – 23
TUE	Pages 24 – 25
WED	Pages 26 – 28

THUR	Pages 29 – 32
Notes	
WEEK 4	
MCP	Pages 33 – 42. Be sure the student has memorized perfectly the addition and subtraction facts through 12.
MON	Pages 33 – 34
TUE	Pages 35 – 36
WED	Pages 37 – 39
THUR	Pages 40 – 42. Begin memorizing the addition facts through 18.
Notes	
WEEK 5	
MCP	Pages 43 – 52
MON	Pages 43 – 45
TUE	Pages 46 – 48
WED	Pages 49 – 50
THUR	Pages 51 – 52
Notes	
WEEK 6	
MCP	Pages 53 – 64. Be sure the student knows all of the addition facts through 18.
MON	Pages 53 – 56. Reproduce page 293 and use even daily to aid the child in the memory of the addition facts.
TUE	Pages 57 – 59. Begin the memorization of the subtraction facts through 18.
WED	Pages 60 – 62.
THUR	Pages 63 – 64
Notes	
WEEK 7	
MCP	Pages 65 – 76. Be sure the student has memorized all of the subtraction facts through 18.

MON	Pages 65 – 67
TUE	Pages 68 – 71. Reproduce page 294 and use even daily until subtraction facts are perfect.
WED	Pages 72 – 74
THUR	Pages 75 – 76
Notes	
WEEK 8	
REVIEW– Complete pages 293 – 294.	
WEEK 9	
EXAMINATION	

◆◆◆ SECOND QUARTER ◆◆◆

WEEK 1	
MCP	Pages 77 – 88
MON	Pages 77 – 79
TUE	Pages 80 – 82
WED	Pages 83 – 85
THUR	Pages 86 – 88
If you have reproduced pages 293 & 294 alternate using them daily until the student is able to get 100% consistently in under 5 minutes.	
Notes	
WEEK 2	
MCP	Pages 89 – 100
MON	Pages 89 – 91
TUE	Pages 92 – 94
WED	Pages 95 – 97
THUR	Pages 98 – 100
Notes	

◆ COURSE PLAN ◆

WEEK 3	
MCP	Pages 101 – 112
MON	Pages 101 – 103
TUE	Pages 104 – 106
WED	Pages 107 – 109
THUR	Pages 110 – 112
Notes	
WEEK 4	
MCP	Pages 113 – 125
MON	Pages 113 – 115. If the student has a difficult time with money, it is good to use real money as a manipulative.
TUE	Pages 116 – 118
WED	Pages 119 – 122
THUR	Pages 123 – 125
Notes	
WEEK 5	
MCP	Pages 126 – 136
MON	Pages 126 – 128
TUE	Pages 129 – 131
WED	Pages 132 – 134
THUR	Pages 135 – 136
Notes	
WEEK 6	
MCP	Pages 137 – 148
MON	Pages 137 – 140
TUE	Pages 141 – 144
WED	Pages 145 – 146
THUR	Pages 147 – 148

Notes	
WEEK 7	
MCP	Pages 149 – 162
MON	Pages 149 – 151
TUE	Pages 152 – 154
WED	Pages 155 – 158
THUR	Pages 159 – 162
Notes	
WEEK 8	
REVIEW– Complete pages 295 – 296.	
WEEK 9	
EXAMINATION	

◆◆◆ THIRD QUARTER ◆◆◆

WEEK 1	
MCP	Pages 163 – 172
MON	Pages 163 – 164
TUE	Pages 165 – 167
WED	Pages 168 – 169
THUR	Pages 170 – 172
Notes	
WEEK 2	
MCP	Pages 173 – 182
MON	Pages 173 – 175
TUE	Pages 176 – 178
WED	Pages 179 – 180
THUR	Pages 181 – 182

<div style="border: 1px solid black; display: inline-block; padding: 2px;">Notes</div>	
WEEK 3	
MCP	Pages 183 – 192
MON	Pages 183 – 184
TUE	Pages 185 – 187
WED	Pages 188 – 190
THUR	Pages 191 – 192
<div style="border: 1px solid black; display: inline-block; padding: 2px;">Notes</div>	
WEEK 4	
MCP	Pages 193 – 202
MON	Pages 193 – 195
TUE	Pages 196 – 197
WED	Pages 198 – 200
THUR	Pages 201 – 202
<div style="border: 1px solid black; display: inline-block; padding: 2px;">Notes</div>	
WEEK 5	
MCP	Pages 203 – 212
MON	Pages 203 – 205
TUE	Pages 206 – 207
WED	Pages 208 – 210
THUR	Pages 211 – 212
<div style="border: 1px solid black; display: inline-block; padding: 2px;">Notes</div>	

WEEK 6	
MCP	Pages 213 – 224
MON	Pages 213 – 215
TUE	Pages 216 – 218
WED	Pages 219 – 221
THUR	Pages 222 – 224
Notes	
WEEK 7	
MCP	Pages 225 – 236
MON	Pages 225 – 227
TUE	Pages 228 – 230
WED	Pages 231 – 233
THUR	Pages 234 – 236
Notes	
WEEK 8	
REVIEW – Complete pages 297–300.	
WEEK 9	
EXAMINATION	

◆◆◆ FOURTH QUARTER ◆◆◆

WEEK 1	
MCP	Pages 237 – 244
MON	Pages 237 – 238
TUE	Pages 239 – 240
WED	Pages 241 – 242
THUR	Pages 243 – 244
Notes	

WEEK 2	
MCP	Pages 245 – 252
MON	Pages 245 – 246
TUE	Pages 247 – 248
WED	Pages 249 – 250
THUR	Pages 251 – 252
Notes	
WEEK 3	
MCP	Pages 253 – 260
MON	Pages 253 – 254
TUE	Pages 255 – 256
WED	Pages 257 – 258
THUR	Pages 259 – 260
Notes	
WEEK 4	
MCP	Pages 261 – 268
MON	Pages 261 – 262
TUE	Pages 263 – 264
WED	Pages 265 – 266
THUR	Pages 267 – 268
Notes	
WEEK 5	
MCP	Pages 269 – 276
MON	Pages 269 – 270
TUE	Pages 271 – 272
WED	Pages 273 – 274
THUR	Pages 275 – 276

Notes	
WEEK 6	
MCP	Pages 277 – 284
MON	Pages 277 – 278
TUE	Pages 279 – 280
WED	Pages 281 – 282
THUR	Pages 283 – 284
Notes	
WEEK 7	
MCP	Pages 285 – 292
MON	Pages 285 – 286
TUE	Pages 287 – 288
WED	Pages 289 – 290
THUR	Pages 291 – 292
Notes	
WEEK 8	
REVIEW – Complete pages 301 – 303.	
WEEK 9	
EXAMINATION	

Add or subtract.

1.
$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 3 \\ +8 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 0 \\ +6 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

Solve.

25. Jim had 17¢. He bought an eraser for 9¢. How much does he have left?

26. Matt had 8¢. He found 5¢. How much does he have now?

27. There are 8 books on a shelf. Mary put 6 more on. How many all together?

28. 6 ducks were sitting on the pond. 9 more joined them. How many ducks are there now?

29. 13 frogs were on the bank. 8 hopped into the pond. How many are left on the bank?

30. There were 16 ripe oranges on the tree. Kevin picked 7 of them. How many ripe oranges are left on the tree?

31. Mark has 14 marbles. John has 6 marbles. How many more marbles does Mark have?

32. Michelle had 15¢. She bought a sticker for 9¢. How much money does she have left?

33. There were 7 boys playing ball. 6 more came to play. How many are playing ball now?

Write $<$ or $>$ to show which number is greater.

1. 49 _____ 94

2. 83 _____ 82

3. 414 _____ 356

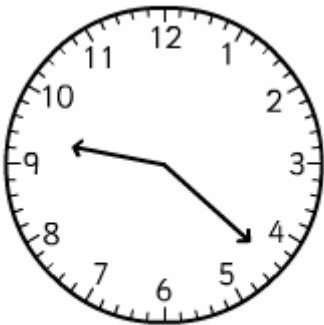
4. 256 _____ 562

5. 554 _____ 445

6. 888 _____ 889

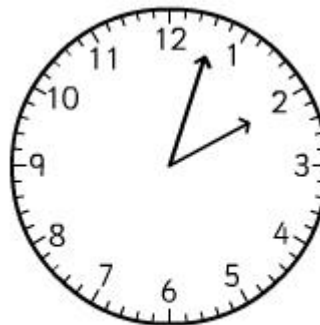
What time is it?

7.



_____ minutes after _____

8.



_____ minutes after _____

9. Joseph and his dad went to the park to play catch. They left at 4:25 and returned at 4:55. How long were they gone?

10. Suzie had \$1.56. She bought a flower for her mother that cost 79¢. How much does she have left?

Add or subtract.

11. 72 + 59	12. 56 - 38	13. 87 + 49	14. 34 - 19	15. 91 - 68	16. 46 + 43
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17. 72 + 37	18. 51 - 49	19. 37 - 6	20. 87 + 3	21. 64 - 58	22. 19 - 12
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23. 35 72 + 24	24. 59 29 + 63	25. 55 17 + 76	26. 88 43 + 34	27. 47 68 + 52	28. 15 92 + 42
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Add or subtract and then show in dollar notation.

29. 38¢ + 67¢	30. 84¢ - 36¢	31. 96¢ + 23¢	32. 28¢ + 57¢	33. 75¢ - 49¢
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\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
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Add or subtract.

$$\begin{array}{r} 1. \ 63 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \ 74 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \ 87 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \ 97 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \ 27 \\ \quad 36 \\ - 68 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \ 48¢ \\ + 27¢ \\ \hline \end{array}$$

$$\begin{array}{r} 7. \ 84¢ \\ - 36¢ \\ \hline \end{array}$$

$$\begin{array}{r} 8. \ 264 \\ + 436 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \ 576 \\ - 388 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \ 407 \\ - 298 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \ 185 \\ + 731 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \ 961 \\ - 239 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \ 308 \\ + 463 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \ 436 \\ \quad 275 \\ + 202 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \ 721 \\ \quad 133 \\ + 106 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \ 507 \\ \quad 172 \\ + 159 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \ 149 \\ \quad 224 \\ + 310 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \ 119 \\ \quad 367 \\ + 351 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \ 456 \\ \quad 116 \\ + 403 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \ \$5.95 \\ + \$1.98 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \ \$3.57 \\ - \$2.39 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \ \$9.17 \\ - \$6.42 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \ \$7.35 \\ + \$2.18 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \ 456 \\ - \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \ 367 \\ + 189 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \ \$5.12 \\ + \$2.49 \\ \hline \end{array}$$

$$\begin{array}{r} 27. \ 68 \\ + 239 \\ \hline \end{array}$$

Subtract. Check your answers.

$$\begin{array}{r} 28. \quad 476 \\ \quad -159 \\ \hline \end{array}$$

$$\begin{array}{r} 29. \quad \$7.86 \\ \quad -\$3.29 \\ \hline \end{array}$$

$$\begin{array}{r} 30. \quad \$5.45 \\ \quad -\$0.98 \\ \hline \end{array}$$

Solve.

31. Michelle had \$4.06. She spent \$2.87. How much does she have left?

32. Will had \$5.15. He bought a fish for \$4.39. How much does he have left?

33. Mr. Brown had 269 books. He sold 147 of them. How many does he have left?

Fill in the Blank.

1. A rectangle has _____ corners.
2. A triangle has _____ sides.
3. A square has _____ square corners.
4. A circle has _____ corners.

Match each shape with its name.

5. cone



6. cube



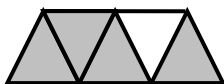
7. sphere



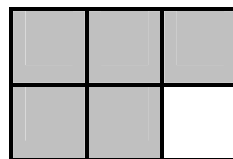
8. cylinder

**Give the fractions for the colored parts of the figures below.**

9.



10.



Measure the lines to the nearest $\frac{1}{2}$ inch.

11. _____

12. _____

13. _____

Measure lines to the nearest centimeter.

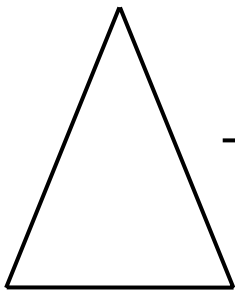
14. _____

15. _____

16. _____

Find the perimeter of these figures in centimeters.

17.



18.



19. There are _____ ounces in one pound.

20. There are _____ cups in one pint.

21. There are _____ cups in one quart.

Add or subtract.

$$\begin{array}{r} 22. \ 4572 \\ + \ 268 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \ 200 \\ - \ 149 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \ 951 \\ - \ 728 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \ 387 \\ + \ 296 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \ \$5.50 \\ - \ \$3.25 \\ \hline \end{array}$$

$$\begin{array}{r} 27. \ \$9.00 \\ - \ \$4.57 \\ \hline \end{array}$$

$$\begin{array}{r} 28. \ \$6.75 \\ + \ \$1.75 \\ \hline \end{array}$$

$$\begin{array}{r} 29. \ \$4.47 \\ - \ \$0.69 \\ \hline \end{array}$$

$$\begin{array}{r} 30. \ 267 \\ \ 522 \\ + \ 89 \\ \hline \end{array}$$

$$\begin{array}{r} 31. \ 406 \\ \ 389 \\ + \ 104 \\ \hline \end{array}$$

$$\begin{array}{r} 32. \ 616 \\ \ 158 \\ + \ 197 \\ \hline \end{array}$$

$$\begin{array}{r} 33. \ \$1.05 \\ \ \$0.88 \\ + \ \$2.98 \\ \hline \end{array}$$

-3 points for each incorrect answer

1. 4
2. 4
3. 13
4. 0
5. 6
6. 5
7. 15
8. 1
9. 11
10. 14
11. 6
12. 15
13. 9
14. 7
15. 14
16. 14
17. 16
18. 9
19. 4
20. 8
21. 11
22. 8
23. 13
24. 18
25. 8¢
26. 13¢
27. 14 books
28. 15 ducks
29. 5 frogs
30. 9 oranges
31. 8 marbles
32. 6¢
33. 13 boys

Scale:

-1= 97%

-2= 94%

-3= 91%

-4= 88%

-5= 85%

-6= 82%

-7= 79%

-8= 76%

-9= 73%

-10= 70%

-11= 67%

-12= 64%

-13= 61%

-14= 58%

-3 points for each incorrect answer
Use the same scale as last quarter.

1. <
2. >
3. >
4. <
5. >
6. <
7. 9:22, 22 minutes after 9
8. 2:03, 3 minutes after 2
9. 30 minutes
10. 77¢
11. 131
12. 18
13. 136
14. 15
15. 23
16. 89
17. 109
18. 2
19. 31
20. 90
21. 6
22. 7
23. 131
24. 151
25. 148
26. 165
27. 167
28. 149
29. 105¢ - \$1.05
30. 48¢ - \$0.48
31. 119¢ - \$1.19
32. 85¢ - \$0.85
33. 26¢ - \$0.26

-3 points for each incorrect answer
Use the same scale as last quarter.

1. 110
2. 56
3. 104
4. 45
5. 131
6. 75¢
7. 48¢
8. 700
9. 188
10. 109
11. 916
12. 722
13. 771
14. 913
15. 960
16. 838
17. 683
18. 837
19. 975
20. \$7.93
21. \$1.18
22. \$2.75
23. \$9.53
24. 448
25. 556
26. \$7.61
27. 307
28. $317 - 317 + 159 = 476$
29. $\$4.57 - \$4.57 + \$3.29 = \7.86
30. $\$4.47 - \$4.47 + \$0.98 = \5.45
31. \$1.19
32. \$0.76
33. 122 books

-3 points for each incorrect answer
Use the same scale as last quarter.

- 1. 4
- 2. 3
- 3. 4
- 4. 0

5. cone

6. cube

7. sphere

8. cylinder



- 9. 4/5
- 10. 5/6
- 11. 2 1/2 in
- 12. 5 1/2 in
- 13. 3 in.
- 14. 6 cm
- 15. 11 cm
- 16. 4 cm
- 17. 11 cm
- 18. 22 cm
- 19. 16
- 20. 2
- 21. 4
- 22. 725
- 23. 51
- 24. 223
- 25. 683
- 26. \$2.25
- 27. \$4.43
- 28. \$8.50
- 29. \$3.78
- 30. 878
- 31. 899
- 32. 971
- 33. \$4.91