Appendix A
Common Form B
Grade Level 2, Form B
Grade Level 5, Form B
Common Form B

(1) Sean gave clerk: $1.00
Cost of pencil: .32
Sean's change was in the fewest number of coins. How many of each? (If none, write the number 0.)

____ quarters  ____ dimes
____ nickels  ____ pennies

(2) Write the letter E next to even numbers and the letter O next to odd numbers.

____ 76  ____ 61

(3) Measure to the nearest inch.

\[ \frac{1}{2} \in \]

(4) Write the answer in the blank.

Kim's Toy Store sold 145 skateboards in June and 314 skateboards in July. How many skateboards were sold in all?

(5) Put these numbers in order from smallest to largest in value.

\[ 9783 \quad 7246 \quad 9756 \]

(6) Dogs Owned by Students at Elmwood School

<table>
<thead>
<tr>
<th>Dogs</th>
<th>Number of Students</th>
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<tbody>
<tr>
<td>Terrier</td>
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<tr>
<td>Boxer</td>
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<tr>
<td>Beagle</td>
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<tr>
<td>German Shepherd</td>
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Write a number in each blank.

How many more students own boxers than German shepherds?

How many total students own terriers or beagles?

How many students own beagles?

(7) Write the number in the blank.

one thousand eight hundred twenty-nine

(8) Write the number that makes this fraction equal to 1.

\[ \frac{6}{\square} = 1 \]
(9) Fill in the blank.

\[ 2 \times \_ = 10 \]

(10) Number of Students Who Bike to School

<table>
<thead>
<tr>
<th>Grade</th>
<th>Bikes</th>
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<tbody>
<tr>
<td>Third</td>
<td>🚴‍♂️</td>
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<td>Fourth</td>
<td>🚴‍♂️</td>
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<tr>
<td>Fifth</td>
<td>🚴‍♂️</td>
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<tr>
<td>Sixth</td>
<td>🚴‍♂️</td>
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</table>

Each 🚴‍♂️ stands for 5 students.

Write a number in each blank.

How many more students in sixth grade bike to school than in third grade?

How many students bike to school in fifth grade and fourth grade together?

How many students bike to school in third grade?

(11) Rewrite, using the dollar sign.

\[ 122 \, \$ = \_ \]

(12) Fill in the blanks.

36, 38, 40, ___

60, 65, 70, ___

(13) Write the letter in the blank.

About how much does a paper clip weigh?

(A) 1 g
(B) 1 kg
(C) 1 mg

(14) Write the time.

___ : ___

(15) Write a number in each blank.

Look at this number:

2504

Which digit is in the thousands place?

Which digit is in the tens place?

(16) Write the fraction for the shaded part of the group.

\[
\frac{\_}{\_}
\]
Write the answer in the blank.

Tara bought a jump rope for $1.50 and a necklace for $1.20. How much more did she spend on the jump rope?

Write the Answer in the Blank.

ABCDEF GHIL
KLMNOP QRS
TUVWXYZ

Write the twentieth letter.

Write the decimal for the shaded part in each blank.

---
---
---

Rewrite

24 + 4 = 6

as:

---

Write <, >, or = in each blank.

4678  ____  969
7101  ____  7007

What is the temperature?

--- °F

Write the answer in the blank.

There are 8 pencils in a package. Michael bought 6 packages of pencils and 15 extra erasers. How many pencils did he buy in all?

Write <, >, or = in each blank.

\[
\frac{2}{3} \quad __\quad \frac{3}{4}
\]

\[
\frac{2}{3} \quad __\quad \frac{1}{2}
\]
Grade Level 2, Form B

(1) April

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</table>

Write a letter in each blank.

- \[ \frac{1}{4} \] (A) one-tenth
- \[ \frac{1}{2} \] (B) one-third
- \[ \frac{1}{10} \] (C) one-half
- \[ \frac{1}{10} \] (D) one-fourth

(2) Write the number in the blank.

\[ 3 \times \_ \_ \_ = 2 + 2 + 2 \]

(3) Write the number in the blank.

\[ 3 + \_ \_ \_ = 10 \]

(4) Write the answer in the blank.

Alex had 46 baseball cards and gave away 24. How many cards did he have left?

(5) Counting by 5's, fill in the blanks.

10, 15, 20, \_ \_ \_ \_ \_ \_

(6) Write the letter in the blank.

Which is hotter?

(A) Tennessee

(B) Minnesota
(8) Favorite Foods in Room 16

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Number of Votes

Write the answer in each blank.

(11) What number comes after 583?

(12) How much money?

(13) Write the answer in the blank.

Sally buys a pencil for 36¢ and a notebook for 52¢. How much money does she spend in all?

(14) Write the number in each blank.

- thirty
- ten
- fifty

(9) Write the number in the blank.

___ + 5 = 11

(10) Counting by 3’s, fill in the blanks.

39, 42, 45, ___ ___
Number of Races Won

<p>| | |</p>
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<tbody>
<tr>
<td>Jeffrey</td>
<td>![Bikes]</td>
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<tr>
<td>Mike</td>
<td>![Bikes]</td>
</tr>
<tr>
<td>Alice</td>
<td>![Bikes]</td>
</tr>
<tr>
<td>Bethany</td>
<td>![Bikes]</td>
</tr>
</tbody>
</table>

Each 🏎️ means 2 races

Write the number in each blank.

How many more races did Jeffrey win than Mike?

How many races did Alice win?

How many fewer races did Jeffrey win than Bethany?

Fill in the blanks.

___ hundreds ___ tens ___ ones

= ______

Write the time.

___ : ___
(1) Write the letter P next to prime numbers and the letter N next to numbers that are not prime.

   ____  12    ____  13

(2) \[ 9 + (4 - 2) = \] 

(3) Latoya bought 5 books at $2.95 each. She gave the clerk a $20.00 bill and received change in the least number of bills and coins. How many of each were there? (If none, write the number zero.)

   ____  $5 bills   ____  $1 bills   ____  quarters 

(4) Look at this number.

   3,180,492

   Which digit is in the hundred thousands place?

   ____

   Which digit is in the ten thousands place?

   ____

(5) Write as a decimal.

   4 thousandths

   ____

(6) Write <, >, or = in each blank.

   \[ \frac{11}{18} \] \[ \frac{2}{3} \]

   \[ \frac{1}{2} \] \[ \frac{3}{4} \]

(7) Write a letter in each blank.

A   D   E   C   B

What kind of angle is it?

   (A) right
   (B) obtuse
   (C) acute
   (D) straight

(8) Write your answer in lowest terms.

When Jan's little sister was born she weighed 7 1/2 pounds. When she was two months old she weighed 9 3/4 pounds. How many pounds did she gain during that time?

   ____
(9) Round to the nearest ten:
80,213 ______

(10) 1 kg = ______ g

(11) Food Sold in Two Fast Food Restaurants in One Week

<table>
<thead>
<tr>
<th></th>
<th>Health Food Palace</th>
<th>Burger Corner</th>
</tr>
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<tbody>
<tr>
<td>Hamburgers</td>
<td>280</td>
<td>945</td>
</tr>
<tr>
<td>Tofuburgers</td>
<td>534</td>
<td>250</td>
</tr>
<tr>
<td>Chicken sandwich</td>
<td>875</td>
<td>340</td>
</tr>
<tr>
<td>Pie slice</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>Frozen yogurt</td>
<td>660</td>
<td>62</td>
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<tr>
<td>Salad</td>
<td>540</td>
<td>236</td>
</tr>
</tbody>
</table>

Both restaurants sold pie slices for $2.00. How much more money did Burger Corner make on pie slices than Health Food Palace?

$ ______.00

(12) Round to the nearest tenth.
32.27 ______

(13) In the blank, write the greatest common factor of the 2 numbers.
27, 72 ______

(14) Area of square = side x side

<table>
<thead>
<tr>
<th>8 ft</th>
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</thead>
</table>

Area = ______ sq. ft

(15) Find the average of these numbers.
16, 5, 10, 8, 6
Arithmetic mean = ______

(16) Write the number for the Roman numeral in the blank.
______ DLIX
(17) \[721 - \quad = 349\]

(18) Write the number in the blank.
6 ten thousands, 9 thousands, 1 hundreds, 3 tens

(19) **Number of Large Farms per State**

<table>
<thead>
<tr>
<th>State</th>
<th>Farms</th>
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<tbody>
<tr>
<td>Oregon</td>
<td>🌽▄▄▄</td>
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<tr>
<td>Georgia</td>
<td>🌽▄▄▄</td>
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<td>Montana</td>
<td>🌽▄▄▄▄</td>
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<tr>
<td>Alabama</td>
<td>🌽▄▄▄</td>
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</table>

Each 🌽 stands for 10 thousand large farms.

Ten years ago there were 5,000 more large farms in Montana. About how many large farms were there in Montana ten years ago?

____ thousand

If 10,000 large farms have to close down in Oregon in the next year, how many large farms will there be left?

____ thousand

(20) Julie is going to use border wallpaper to decorate her bedroom. The bedroom is 20 ft by 12 ft. How many feet of border does she need to buy?

____

(21) Write a letter in each blank.

```
\[\begin{array}{c}
\text{W} \\
\text{U} \\
\text{V} \\
\text{X}
\end{array}\]
```

- (A) point U
- (B) segment UW
- (C) segment VW
- (D) segment WX

(22) Look at this number.

9753.124

Which digit is in the thousands place?

____

Which digit is in the hundredths place?

____

(23) 2 weeks 2 days = ____ days
Appendix B

Directions for MBSP Concepts and Applications

FORM 1

(Say to the students:)

“Turn to page 1 in your booklet. This is the first orange/yellow page. Keep your pencils down. Please listen to these directions and wait until I tell you to begin.”

“This test has three pages and ___ problems. You will have ___ minutes to do as many of them as you can.”

“Work carefully and do the best you can. When you begin, start at the top left. (Point) Work down the page. (Show direction on page) Some problems will be easy for you; others will be harder. When you come to a problem that’s hard for you, skip it, and come back to it later. When you finish the first column, go on to the second column. (Show on page) Then move on to the second page, and then the third page.”

“Go through the entire test doing the easy problems. Then go back and try the harder ones.”

“There are some special kinds of problems I want to tell you about. Some questions are multiple choice questions with a letter next to each choice of an answer. For multiple choice questions, you write the letter in the blank, not the answer. Some problems have more than one blank. You get credit for each blank that you answer, so be sure to fill in as many as you can. Finally, the answers to some problems on this test are an amount of money. When you write your answers, be sure to use the correct symbols for money.”

“Remember that you should work down each column, skipping harder problems at first. After you have finished the easier problems on all three pages, then go back to the beginning and try the harder ones.”

“If you come to a page that says STOP in the middle of it, then STOP. You can flip back and check for problems in the orange/yellow section that you have not done. Stay in the orange/yellow section only.”

“You will have ___ minutes to work. Are there any questions?”

“Ready? Begin.” (Start stopwatch as you say BEGIN.)

(After ___ minutes, say:)

“Stop. Thank you, put your pencil down. Turn to page 5 in your booklet.”
FORM 2

(Say to the students:)

“Now you will try another test of three pages and ___ problems. This test is on white paper only. Work down each column. Remember, when you come to a problem that’s hard for you, skip it, and come back to it later. After you have done all the easy problems on all three pages, then go back and try the harder problems.”

“If you come to a page that says STOP in the middle of it, then STOP. You can flip back and check for problems in the green section that you have not done. Stay in the white section only.”

Ready? Begin.” (Start stopwatch as you say BEGIN.)

(After ___ minutes, say:)

“Stop. Thank you, put your pencil down and close the packet. We are done.”
Appendix C

Teacher Rating Scale for Students’ Math Proficiency

For each student below, please rate his or her *general proficiency in math* relative to other students in your class.

Try to spread student ratings across the *full range of the scale*, not clustering students only in the middle or toward one end.

Thank you for your help!

<table>
<thead>
<tr>
<th>Student Name</th>
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(least proficient) | (most proficient)