

# IU-IMI Assessments

## on

### Indiana Academic Standards for Kindergarten Mathematics

1. These tests have been generated from problems in the Classroom Assessments on the Indiana Academic Standards Resources CD. (See also <http://www.indianastandardsresources.org/>) When no problems were already written, the sample items in the Indiana Academic Standards for Mathematics – Teacher’s Edition were used. A few problems were created when neither resource was sufficient.
2. The test may be photocopied back to back with two problems on each standard. You may also run only the fronts (1A, 2A, ...) to have one problem for each standard, or only the backs (1B, 2B, ...). That way you have two very similar tests that may be used for pre- and post-test.
3. There are approximately ten standards on each test, even though the test may cover more (or less) than one Everyday Math unit. This is to keep it approximately the same length as an ISTEP+ Applied Skills test.
4. In the Teacher’s Answer Key for the IU-IMI Assessments, answers are shown as they exist in the Academic Resources, and each standard is identified.
5. Any standards that are taught throughout the book and have no specific Everyday Math lesson assigned to them are also tested in the last Unit test.
6. The final test for each grade contains the questions in the Problem Solving section of the Academic Resources. All or any of it may be used at any time appropriate during the school year.
7. There is a blank page that prints behind each Unit Test cover sheet (except after Test One) to allow for correct duplication of the entire document. You may have to insert other blank pages if you photocopy the document as pretest and posttest.

For questions or comments, contact Donna McLeish at [mcleishhm@aol.com](mailto:mcleishhm@aol.com).



This material was compiled by Donna McLeish of the Indiana University-Indiana Mathematics Initiative Math Science Partnership and funded by the National Science Foundation under grant #0227269. See the Indiana Mathematics Initiative Web Site at <http://www.indiana.edu/~iucme/elementary/resources> for related documents and updates. You can also find information on how to order a CD containing these documents.


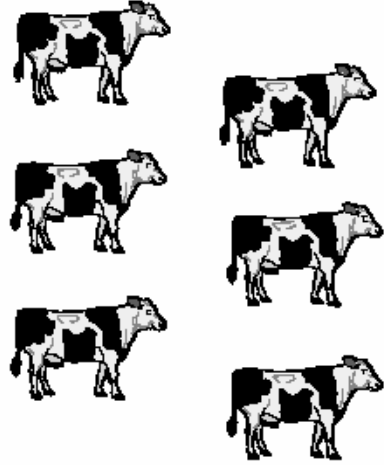
This document may be reproduced and distributed on a not-for-profit basis. Please include the above notice on a cover page.


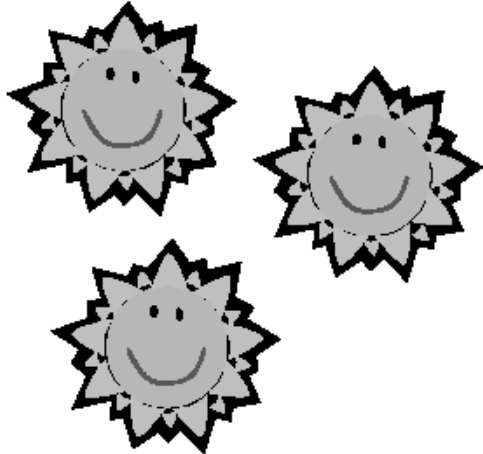
# Kindergarten


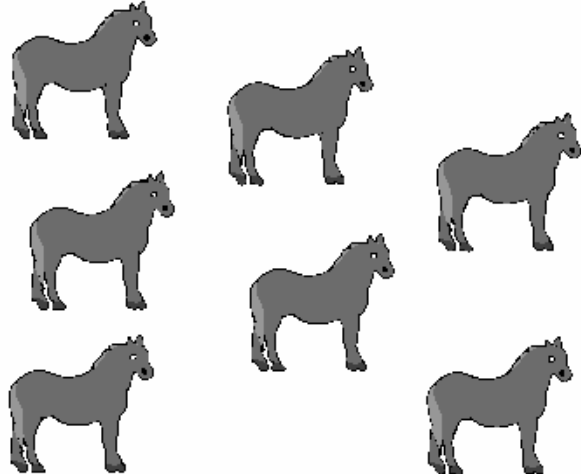
## Assessment One

Indiana Academic Standards  
K.1.6, K.1.9


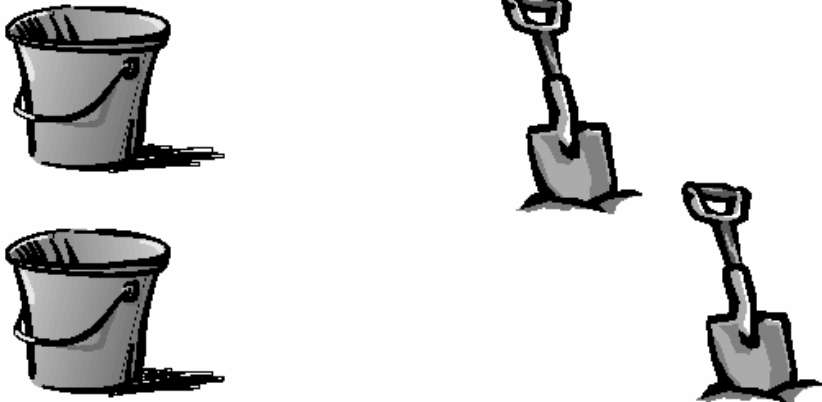
A



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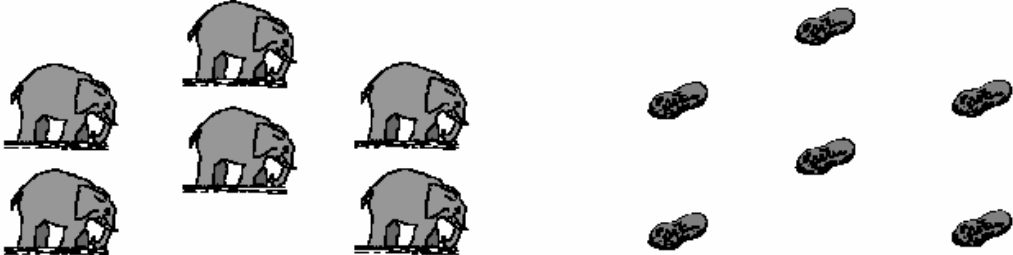
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 <p>2</p>	 <hr data-bbox="1120 1638 1388 1659"/>
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# B

 Example	
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 1	
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 2	
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# Kindergarten


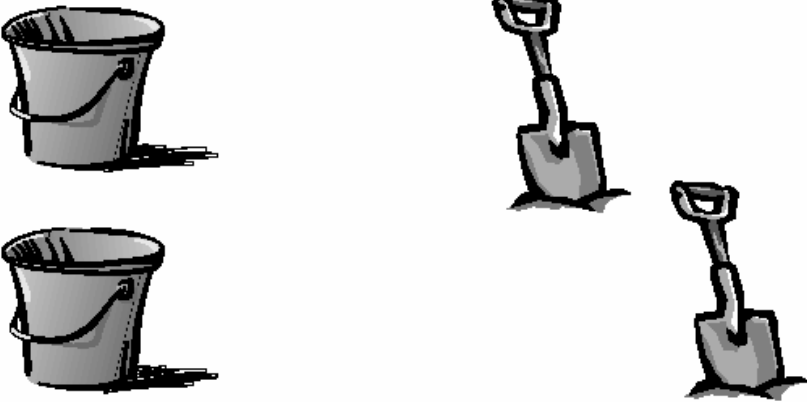
## Assessment Two

Indiana Academic Standards

K.1.1




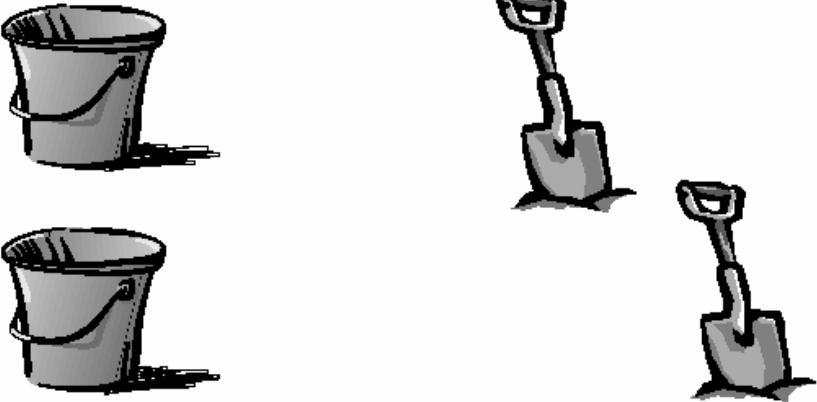
A

 <p>Example</p>	
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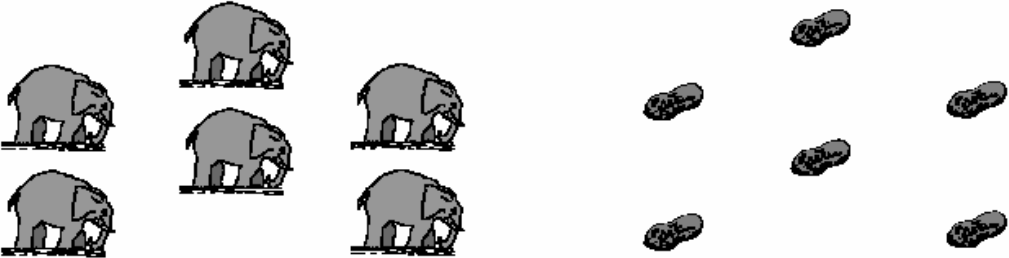
 <p>1</p>	
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 <p>2</p>	
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# B

 Example	
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 1	
---	---

 2	
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# Kindergarten

## Assessment Three

Indiana Academic Standards

K.1.7



A

 Example	<p>4</p> <p>_____</p>
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 3	<p>5</p> <p>_____</p>
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 4	<p>7</p> <p>_____</p>
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# B

 Example	<p data-bbox="584 304 714 504">5</p> <hr data-bbox="1015 504 1266 514"/>
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 3	<p data-bbox="584 819 714 1018">2</p> <hr data-bbox="1015 1008 1266 1018"/>
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 4	<p data-bbox="584 1333 714 1533">6</p> <hr data-bbox="1015 1522 1266 1533"/>
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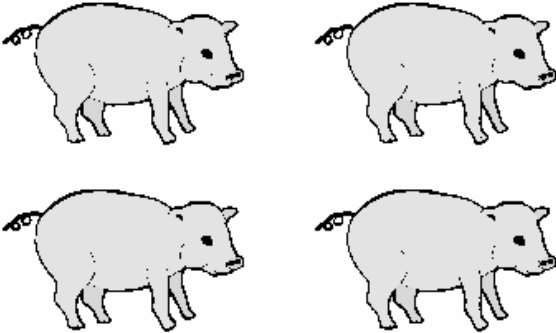
# Kindergarten


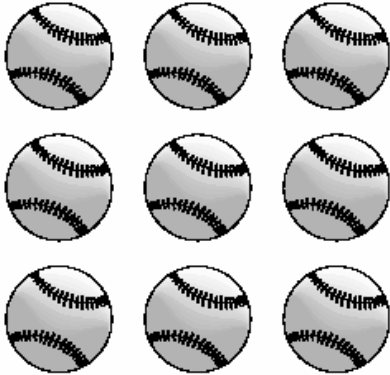
## Assessment Four


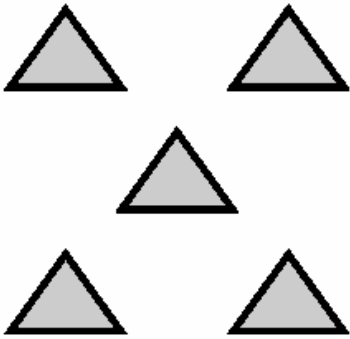
Indiana Academic Standards  
K.2.2 – K.2.3




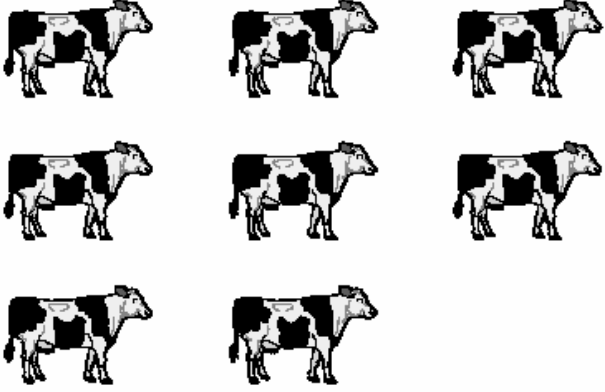
A


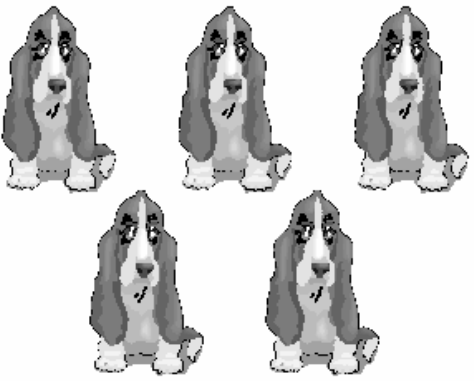
 <p>Example</p>	 <p>_____</p>
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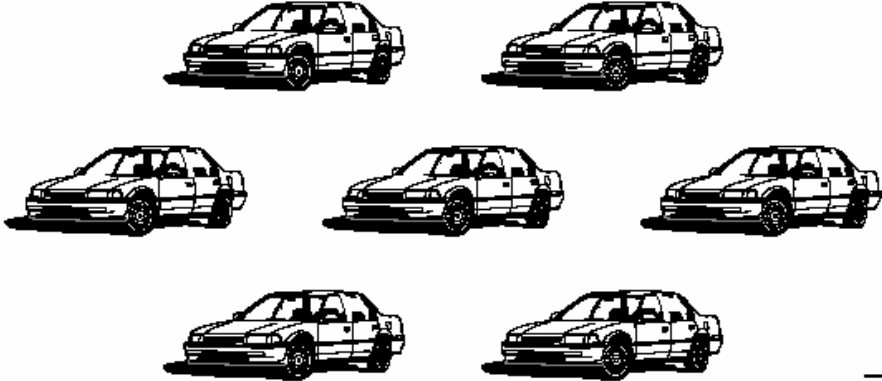
 <p>1</p>	 <p>_____</p>
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 <p>2</p>	 <p>_____</p>
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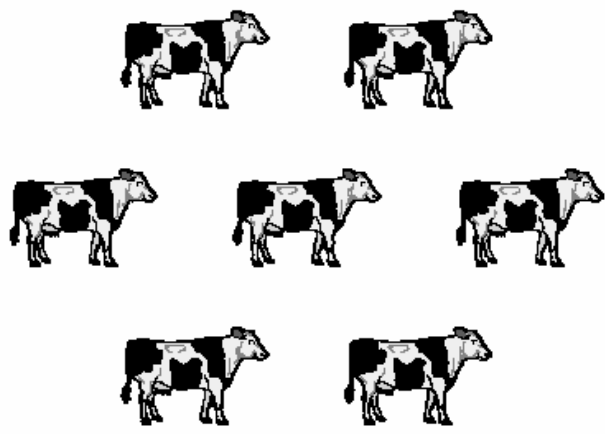
# B


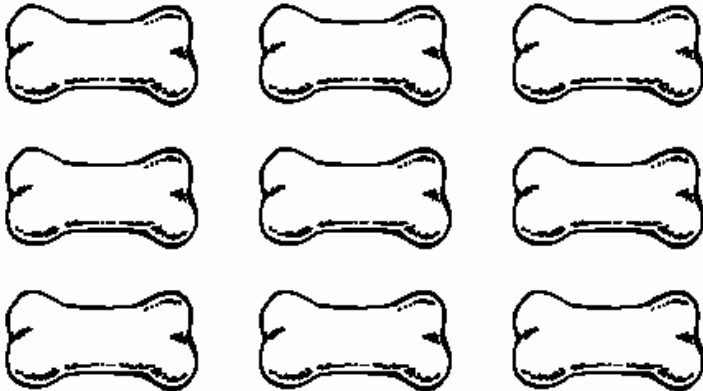
 Example	 _____
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 1	 _____
--	--


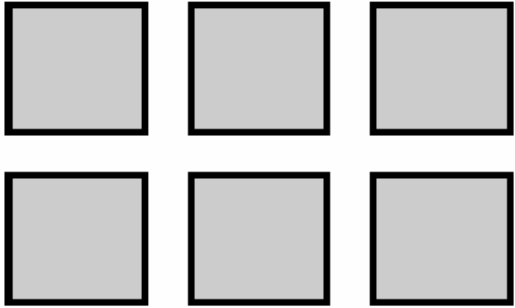
 2	 _____
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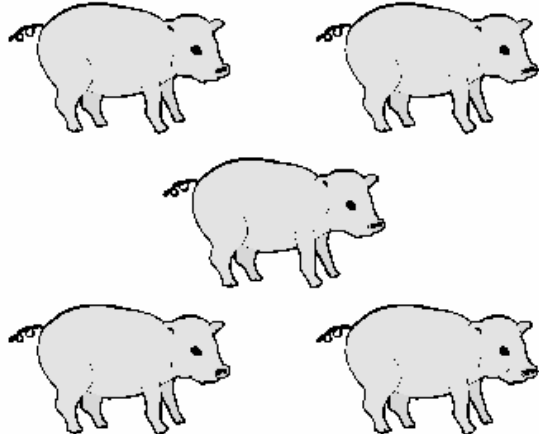
# A

 3	 _____
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 4	 _____
--	--

B

 3	 <hr data-bbox="1218 525 1477 535"/>
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 4	 <hr data-bbox="1218 1029 1477 1039"/>
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# Grade K

## Test One

Indiana Academic Standards  
Everyday Mathematics Unit 1

**Grade K**

**Teacher's Guide**

**Academic Standards**

**Assessments**

## **Teachers:**

**There are specific reading instructions for all the tests in this set. You may look up all of them in the Academic Standards Resources booklets or on the CD.**

**Only the directions for Problem Solving are included in this guide because they would have to be rewritten for each and every problem. That is because the tests in the Academic Standards Resources are written all for one standard, and these tests have the questions placed in a unit test matching Everyday Math lessons taught.**

**This is probably how you administer all your classroom assessments, so hopefully the one example for Problem Solving will be a sufficient example for all the tests.**




**Kindergarten**

**Teacher's Guide**




**Academic Standards**

**Assessments**


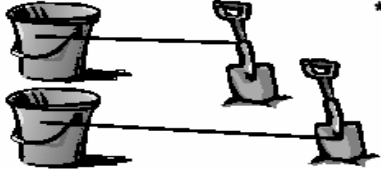

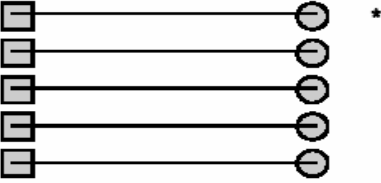

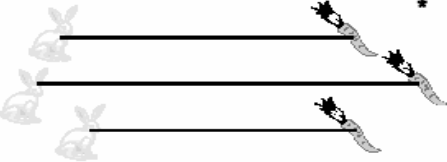
**Kindergarten  
Assessment One (A)  
Indiana Academic Standards  
K.1.6**

Item Number	Answer	Standards Indicator
 Ex.	6	Example
 1	3	K.1.6
 2	7	K.1.6




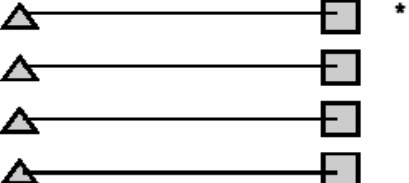

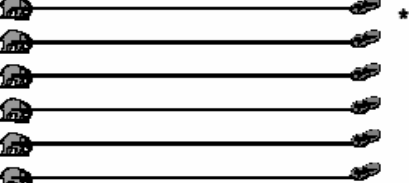
**Kindergarten  
Assessment One (B)  
Indiana Academic Standards  
K.1.6**

Item Number	Answer	Standards Indicator
 Ex.	5	Example
 1	2	K.1.6
 2	7	K.1.6




**Kindergarten**  
**Assessment Two (A)**  
**Indiana Academic Standards**  
**K.1.1**

Item Number	Answer	Standards Indicator
 Ex.		Example
 1		K.1.1
 2		K.1.1


**Kindergarten**  
**Assessment Two (B)**  
**Indiana Academic Standards**  
**K.1.1**

Item Number	Answer	Standards Indicator
 Ex.		Example
 1		K.1.1
 2		K.1.1






**Kindergarten**  
**Assessment Three (A)**  
**Indiana Academic Standards**  
**K.1.7**

 Ex.	3	Example
 3	4	K.1.7
 4	8	K.1.7






**Kindergarten**  
**Assessment Two (B)**  
**Indiana Academic Standards**  
**K.1.7**

 3	3	K.1.7
 4	5	K.1.7

**Kindergarten**  
**Assessment Three (A)**  
**Indiana Academic Standards**  
**K.2.2 – K.2.3**

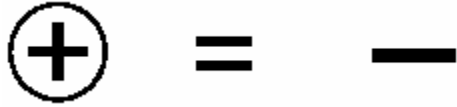
Item Number	Answer	Standards Indicator
 Ex.	2	Example
 1	6	K.2.2
 2	1	K.2.2
 3	4	K.2.2
 4	8	K.2.2

**Kindergarten**  
**Assessment Three (B)**  
**Indiana Academic Standards**  
**K.2.2 – K.2.3**

Item Number	Answer	Standards Indicator
 Ex.	3	Example
 1	2	K.2.2
 2	5	K.2.2
 3	1	K.2.2
 4	4	K.2.2

**Kindergarten**  
**Assessment Four (A)**  
**Indiana Academic Standards**  
**K.2.2**

1. 1.2.5



2. 1.2.1  $3 + 5 = 8$

3. 1.2.1  $2 + 4 = 6$

4. 1.2.5



5. 1.2.2  $8 - 2 = 6$

6. 1.2.2  $17 - 9 = 8$

**Kindergarten**  
**Assessment Four (B)**  
**Indiana Academic Standards**  
**K.2.2**

1. 1.2.5



2. 1.2.1  $7 + 2 = 9$

3. 1.2.1  $3 + 1 = 4$

4. 1.2.5



5. 1.2.2  $6 - 3 = 3$

6. 1.2.2  $15 - 8 = 7$

**Kindergarten  
Assessment Four (A)  
Indiana Academic Standards  
Everyday Math Unit 3**

1. *1.3.4* 14
2. *1.3.4* 12
3. *1.5.6* 8:00
4. *1.5.6* 3:30
5. *1.5.6* after
6. *1.5.6* after
7. *1.2.3*

**Any two of:**

- $12 + 0$   $5 + 7$   
 $11 + 1$   $4 + 8$   
 $10 + 2$   $3 + 9$   
 $9 + 3$   $2 + 10$   
 $8 + 4$   $1 + 11$   
 $7 + 5$   $0 + 12$   
 $6 + 6$

**Kindergarten  
Assessment Four (B)  
Indiana Academic Standards  
Everyday Math Unit 3**

1. *1.3.4* 17
2. *1.3.4* 11
3. *1.5.6* 5:30
4. *1.5.6* 2:00
5. *1.5.6* before
6. *1.5.6* shorter
7. *1.2.3*

**Any two of:**

- $10 + 0$   $4 + 6$   
 $9 + 1$   $3 + 7$   
 $8 + 2$   $2 + 8$   
 $7 + 3$   $1 + 9$   
 $6 + 4$   $0 + 10$   
 $5 + 5$

**Kindergarten**




**Assessment Five (A)**

**Indiana Academic Standards**

**Everyday Math Unit 4**

**Standard Indicators 1.5.1 – 1.5.5 are interactive. There are no assessments for them in the Academic Standards Resources.**

1. *1.1.1* 53
2. *1.1.1* 81
3. *1.1.1* 26

4		1.1.10
5		1.1.10
6		1.1.10
7	2	1.1.10
8	1	1.1.10




**Kindergarten**

**Assessment Five (B)**

**Indiana Academic Standards**

**Everyday Math Unit 4**

1. *1.1.1* 47
2. *1.1.1* 95
3. *1.1.1* 27

4		1.1.10
5		1.1.10
6		1.1.10
7	5	1.1.10
8	3	1.1.10

**Kindergarten**  
**Assessment Six (A)**  
**Indiana Academic Standards**  
**Everyday Math Unit 5**

1. *1.1.3*      5 tens, 6 ones
2. *1.1.3*      7 tens, 3 ones
3. *1.1.2*      Students should circle two groups of tens. 2 tens, 3 ones.
- 4.



1.1.6

5. *1.3.1*       $3 + 4 = 7$
6. *1.3.1*       $11 - 7 = 4$
7. *1.3.2*      Students should draw a picture of nine objects plus seven objects totaling 16 objects.
8. *1.3.2*      Students should draw a picture of thirteen objects, subtracting or marking out eight objects, leaving five objects.
9. *1.2.6*      8
10. *1.2.6*      9
11. *1.2.6*      9
12. *1.2.6*      10

Standard Indicator 1.2.7 is Assessed along with 1.3.3 in the next unit.

**Kindergarten**  
**Assessment Six (B)**  
**Indiana Academic Standards**  
**Everyday Math Unit 5**

1. *1.1.3*      2 tens, 9 ones
2. *1.1.3*      8 tens, 7 ones
3. *1.1.2*      Students should circle three groups of tens. 3 tens, 2 ones.
- 4.



1.1.6

5. *1.3.1*       $5 + 6 = 11$
6. *1.3.1*       $15 - 7 = 8$
7. *1.3.2*      Students should draw a picture of nine objects plus seven objects totaling 16 objects.
8. *1.3.2*      Students should draw a picture of 17 objects, subtracting or marking out 11, leaving six objects.
9. *1.2.6*      7
10. *1.2.6*      4
11. *1.2.6*      7
12. *1.2.6*      12

Standard Indicator 1.2.7 is Assessed along with 1.3.3 in the next unit.

**Kindergarten**  
**Assessment Seven (A)**  
**Indiana Academic Standards**  
**Everyday Math Unit 6**

1. *1.2.4*      5
2. *1.2.4*      14
3. *1.2.4*      2
4. *1.2.4*      7

<b>5</b>	$6 + 4 = 10$ $4 + 6 = 10$ $10 - 6 = 4$ $10 - 4 = 6$	1.3.3 (1.2.7)
<b>6</b>	$8 + 9 = 17$ $9 + 8 = 17$ $17 - 9 = 8$ $17 - 8 = 9$	1.3.3 (1.2.7)

**Kindergarten**  
**Assessment Seven (B)**  
**Indiana Academic Standards**  
**Everyday Math Unit 6**

1. *1.2.4*      9
2. *1.2.4*      11
3. *1.2.4*      4
4. *1.2.4*      5

<b>5</b>	$5 + 4 = 9$ $4 + 5 = 9$ $9 - 4 = 5$ $9 - 5 = 4$	1.3.3 (1.2.7)
<b>6</b>	$4 + 12 = 16$ $12 + 4 = 16$ $16 - 12 = 4$ $16 - 4 = 12$	1.3.3 (1.2.7)

**Kindergarten  
Assessment Eight (A)  
Indiana Academic Standards  
Everyday Math Unit 7**

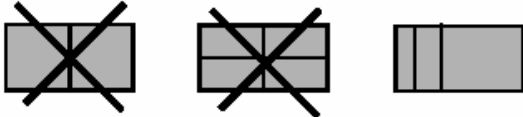

Item Number	Answer	Standards Indicator
1	Students should have colored the circle red.	1.4.1
2	Students should have colored the rectangle blue.	1.4.1
3	Students should have drawn a square.	1.4.1
4	Students should have drawn a triangle.	1.4.1
5	Students should have drawn a blue circle to the left of the house.	1.4.6
6	Students should have drawn a green circle to the right of the house.	1.4.6
7	Students should have drawn a red circle under the house.	1.4.6
8	Students should have drawn an orange circle near the blue circle.	1.4.6

**Kindergarten  
Assessment Eight (B)  
Indiana Academic Standards  
Everyday Math Unit 7**

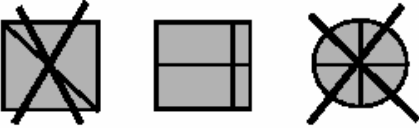

Item Number	Answer	Standards Indicator
1	Students should have colored the rectangle red.	1.4.1
2	Students should have colored the triangle blue.	1.4.1
3	Students should have drawn a square.	1.4.1
4	Students should have drawn a circle.	1.4.1
5	Students should have drawn a blue circle under the house.	1.4.6
6	Students should have drawn a red circle to the left of the house.	1.4.6
7	Students should have drawn a purple circle next to the blue circle.	1.4.6
8	Students should have drawn an orange circle over the house.	1.4.6

**Standards Indicators 1.4.2, 1.4.3, 1.4.4, and 1.4.7 are interactive and are not Assessed in the Indiana Academic Resources.**



**Kindergarten**  
**Assessment Nine (A)**  
**Indiana Academic Standards**  
**Everyday Math Units 8 and 9**

Item Number	Answer	Standards Indicator
1		1.1.7
2		1.1.8
3	$\frac{4}{6}$ $\frac{2}{6}$	1.1.9

**Kindergarten**  
**Assessment Nine (B)**  
**Indiana Academic Standards**  
**Everyday Math Units 8 and 9**

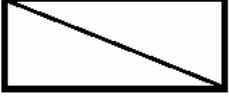
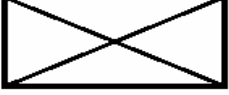
Item Number	Answer	Standards Indicator
1		1.1.7
2		1.1.8
3	$\frac{5}{8}$ $\frac{3}{8}$	1.1.9

**Kindergarten  
Problem Solving  
Academic Standards Resources  
Classroom Assessments (A)**

Item Number	Answer	Standards Indicator
1	19	1.6.1, 1.6.3, 1.6.4 (1.1.4)
2	13	1.6.3, 1.6.4 (1.2.1)
3	8	1.6.3, 1.6.4 (1.2.2)
4	 *	1.6.1, 1.6.2 (1.4.1)
5	 *	1.6.1, 1.6.2, 1.6.5 (1.4.1)

\* Give credit for all valid answers.

**Kindergarten  
Problem Solving  
Academic Standards Resources  
Classroom Assessments (B)**

Item Number	Answer	Standards Indicator
1	28	1.6.1, 1.6.3, 1.6.4 (1.1.4)
2	15	1.6.3, 1.6.4 (1.2.1)
3	9	1.6.3, 1.6.4 (1.2.2)
4	 *	1.6.1, 1.6.2 (1.4.1)
5	 *	1.6.1, 1.6.2, 1.6.5 (1.4.1)

\* Give credit for all valid answers.