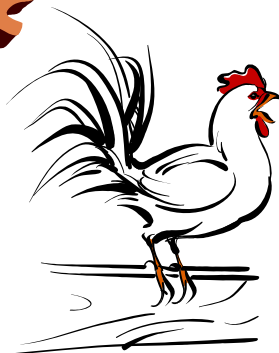
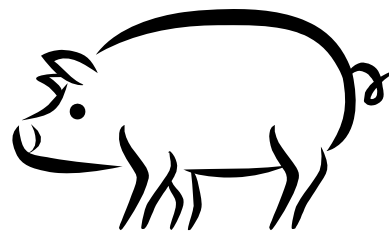
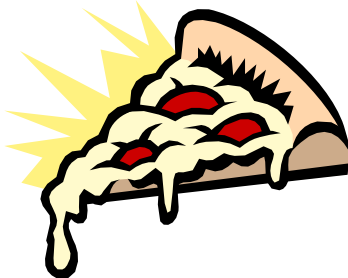
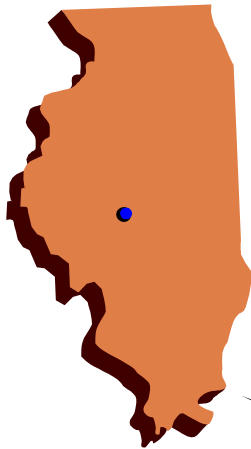
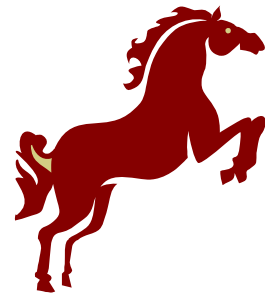
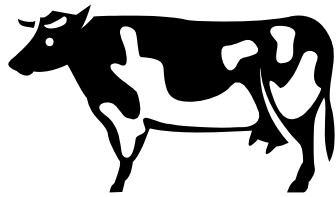
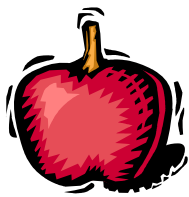


# ISATs

## 10 Minutes A Day

### The IAITC Way!

A Complementary Lesson Booklet for  
IAITC's Ag Mags  
4th Grade



Illinois  
**A**GRICULTURE  
in the Classroom<sup>SM</sup>

THE  
IAA   
FOUNDATION

# **ISATs**

## **10 Minutes A Day**

### **The IAITC Way!**

In an effort to incorporate a more holistic educational approach and to help prepare students for the ISAT test, we have developed these activities for use in the classroom.

Our goal is to give teachers 20 weeks worth of review materials to use to prepare for ISAT testing. The activities are intended to take no more than 10 minutes a day and to use our Ag Mags as a resource. Ag Mags are available from Ag Literacy Coordinators in each county and online at our website: [www.agintheclassroom.org](http://www.agintheclassroom.org)

The intended format for each week is as follows:

Monday – Introduce Ag Mag – have students read and use pre-reading strategies

Tuesday – Vocabulary Activity related to the Ag Mag

Wednesday – Math Activity related to the Ag Mag

Thursday – Reading Passage and questions related to the Ag Mag

Friday – Extended Response question related to the Ag Mag

We have 20 Ag Mags in print and/or online for use for the 20 weeks. When we looked at the calendar, excluding holiday weeks and normal conflict weeks (parent/teacher conferences, finals, etc.), we found that this would be about the right number of weeks for review. We are hoping to provide a model for possible ways in which teachers can utilize our materials while preparing students for the ISAT test.

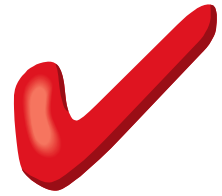
Where appropriate, answer keys have been provided for the activities. We also encourage teachers to visit the ISBE website for more information and practice tests.

“Test preparation should be integrated into periodic review, as an integral part of an overall approach to learning. It takes time for your brain to structure information into categories. When you allow your brain enough time to review, synthesize, and organize the material, learning becomes easier.” - Scholastic

# Table of Contents

<b>Apples</b>	<b>4 - 10</b>
<b>Beef</b>	<b>11 - 15</b>
<b>Biotechnology</b>	<b>16 - 22</b>
<b>Careers</b>	<b>23 - 26</b>
<b>Corn</b>	<b>27 - 32</b>
<b>Dairy</b>	<b>33 - 40</b>
<b>Horse</b>	<b>41 - 46</b>
<b>Horticulture</b>	<b>47 - 52</b>
<b>Illinois</b>	<b>53 - 58</b>
<b>Nutrition</b>	<b>59 - 63</b>
<b>Pizza</b>	<b>64 - 68</b>
<b>Pork</b>	<b>69 - 74</b>
<b>Poultry</b>	<b>75 - 79</b>
<b>Pumpkin</b>	<b>80 - 85</b>
<b>Soil</b>	<b>86 - 90</b>
<b>Soybeans</b>	<b>91 - 96</b>
<b>Specialty Crop</b>	<b>97 - 102</b>
<b>Technology</b>	<b>103 - 107</b>
<b>Trees</b>	<b>108 - 113</b>
<b>Water</b>	<b>114 - 119</b>
<b>ISAT Activity Answers</b>	<b>120 - 126</b>

# Answers!



## APPLE

### Vocabulary

Pages 4-5

1. C
2. B
3. D
4. A
5. C
6. B
7. C
8. B

### Math

Pages 6-7

1. D
2. A
3. A
4. A
5. B
6. D

### Reading

Pages 8-10

1. B
2. D
3. A
4. C
5. A
6. D

## BEEF

### Vocabulary

Page 11

1. E
2. H
3. F
4. A
5. G
6. I
7. D
8. C
9. B

### Math

Page 12

1. Luggage
2. Steak
3. Football
4. Soap
5. Crayons
6. Baseball
7. Candle
8. Basketball
9. Makeup
10. Piano keys

### Reading

Pages 13-15

1. C
2. B
3. Answers will vary
4. B
5. A
6. B
7. B

## BIOTECHNOLOGY

### Vocabulary

Pages 16-17

1. B
2. C
3. D
4. A
5. A
6. C
7. B
8. D

### Math

Pages 18-19

1. A
2. C
3. B
4. C
5. B
6. D
7. B
8. A

### Reading

Pages 20-22

1. A
2. B
3. B
4. D
5. C
6. D
7. D
8. A

# Answers!



## CAREER

### Vocabulary

Page 23

1. C
  2. E
  3. G
  4. H
  5. A
  6. K
  7. J
  8. I
9. D
  10. F
  11. B

### Math

Page 24

1. 90 degrees
2. 180 degrees
3. 7:48 am; 270 degrees
4. 360 degrees
5. 90 degrees
6. 270 degrees

### Reading

Pages 25-26

1. Answers will vary.
2. Answers will vary.
3. Answers will vary.
4. Answers will vary.
5. Answers will vary.

## CORN

### Vocabulary

Pages 27-28

1. A
2. D
3. B
4. C
5. C
6. A
7. B
8. C

### Math

Pages 29-30

1. B
2. B
3. C
4. A
5. A
6. D
7. C
8. B

### Reading

Pages 31-32

1. B
2. C
3. D
4. Answers will vary.

## DAIRY

### Vocabulary

Pages 33-34

1. D
2. C
3. C
4. A
5. C
6. A
7. D
8. B

### Math

Pages 35-36

1. B
2. B
3. D
4. D
5. C
6. A

### Reading

Pages 37-39

1. C
2. D
3. B
4. A
5. A
6. D
7. C
8. B

# Answers!



## HORSE

### Vocabulary

Pages 40-41

1. B
2. A
3. C
4. D
5. C
6. D
7. D
8. B

### Math

Pages 42-43

1. 5 ft 3 in
2. 4 ft 8 in
3. The 16 hand horse
4. 5 ft 8 in
5. 4 ft 5 in
6. 5 ft 1 in
7. 3 ft 7 in
8. 15.6 hands

### Reading

Pages 44-46

1. C
2. D
3. C
4. B
5. B
6. A
7. C
8. A

## HORTICULTURE

### Vocabulary

Page 47

1. J
2. D
3. I
4. H
5. F
6. B
7. G
8. A
9. E
10. C

### Math

Pages 48-49

1. C
2. B
3. D
4. A
5. B
6. C
7. C
8. A

### Reading

Pages 50-52

1. A
2. B
3. B
4. A
5. A
6. D
7. C
8. D

## ILLINOIS

### Vocabulary

Page 53

1. C
2. A
3. D
4. D
5. A
6. C

### Math

Pages 54-56

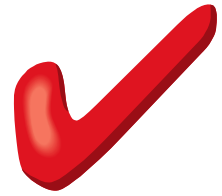
1. B
2. C
3. C
4. D
5. A
6. D
7. B
8. A

### Reading

Pages 57-58

1. B
2. D
3. C
4. C
5. B
6. D

# Answers!



## NUTRITION

### Vocabulary

Page 59

1. G
2. D
3. E
4. J
5. C
6. A
7. I
8. H
9. B
10. F

### Math

Pages 60-61

1. D
2. B
3. A
4. C
5. B
6. D
7. A
8. C

### Reading

Pages 62-63

1. C
2. D
3. B
4. B
5. A
6. D

## PIZZA

### Vocabulary

Pages 64-65

1. C
2. A
3. B
4. D
5. A
6. B
7. C
8. D

### Math

Page 66

1. Likely
2. Impossible
3. Unlikely
4. Unlikely
5.  $\frac{3}{4}$
6.  $\frac{1}{4}$
7.  $\frac{1}{5}$
8.  $\frac{1}{3}$

### Reading

Pages 67-68

Order: 9, 3, 7, 1, 11, 4, 8, 5, 10, 2

## PORK

### Vocabulary

Page 69

1. Pork
2. Producer
3. Piglet
4. Boar
5. Gilt
6. Swine
7. Litter
8. Sow
9. Farrowing
10. Barrow

### Math

Pages 70-71

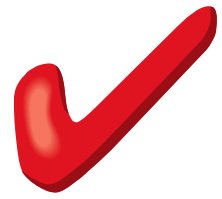
1. C
2. D
3. B
4. C
5. D
6. B
7. D
8. A

### Reading

Pages 72-74

1. C
2. B
3. B
4. D
5. D
6. B
7. A
8. D

# Answers!



## POULTRY

### Vocabulary

Page 75

1. Caruncle
2. Yolk
3. Chalaza
4. Beard
5. Shell Membranes
6. Blastodisc
7. Wattle
8. Shell
9. Albumen
10. Air Cell
11. Snood

### Math

Pages 76

1. 4, 7, 10, 13, 16, 19, 22, 25
2. 70, 64, 58, 52, 46, 40, 34, 28
3. 15, 16, 18, 21, 25, 30, 36, 43, 51
4. 143, 142, 139, 134, 127, 118, 107, 94
5. 33, 35, 39, 45, 53, 63, 75, 89
6. 16, 21, 19, 24, 22, 27, 25, 30
7. 93, 83, 74, 66, 59, 53, 48, 44

### Reading

Pages 77-79

1. A
2. C
3. B
4. B
5. D
6. B
7. A

## PUMPKIN

### Vocabulary

Page 80

1. Pollination
2. Pistil
3. Stamen
4. Cross Pollination
5. Pollen
6. Genetic Traits
7. Varieties
8. Stigma

### Math

Pages 81-82

1. C
2. B
3. B
4. C
5. D
6. C

### Reading

Pages 83-85

1. D
2. A
3. B
4. C
5. A
6. C
7. D

## RENEWABLE ENERGY

### Vocabulary

Page 86

1. C
2. A
3. B
4. A

### Math

Pages 87-88

1. B
2. C
3. C
4. D
5. B
6. A

### Reading

Pages 90-91

1. C
2. D
3. D
4. A
5. A
6. C
7. B



# Answers!



## SOIL

### Vocabulary

Page 86

1. G
2. C
3. B
4. A
5. J
6. E
7. F
8. I
9. D
10. H

### Math

Page 87

1. B
2. C
3. A
4. D
5. A
6. B
7. B
8. D

### Reading

Pages 88-90

1. D
2. A
3. D
4. B
5. C
6. B
7. A
8. D

## SOYBEAN

### Vocabulary

Pages 91-92

1. A
2. C
3. D
4. A
5. D
6. B
7. B
8. C

### Math

Pages 93-94

1. C
2. A
3. B
4. D
5. C
6. B

### Reading

Pages 95-96

1. D
2. A
3. B
4. C
5. C
6. A

## SPECIALTY CROP

### Vocabulary

Pages 97-98

1. C
2. B
3. D
4. C
5. B
6. C
7. A
8. A

### Math

Pages 99-100

1. C
2. D
3. A
4. B
5. D
6. C
7. B
8. A

### Reading

Pages 101-102

1. B
2. D
3. C
4. A
5. B
6. A

# Answers!



## TECHNOLOGY

### Vocabulary

Pages 103

1. Pulley
2. Screw
3. Inclined Plane
4. Biotechnology
5. Lever
6. Wedge
7. Gears
8. Wheel and Axle

### Math

Pages 104-105

1. B
2. C
3. D
4. B
5. D
6. B
7. A
8. A

### Reading

Pages 106-107

1. B
2. A
3. B
4. B
5. C
6. D

## TREES

### Vocabulary

Pages 108-109

1. C
2. D
3. A
4. B
5. A
6. C
7. C
8. A

### Math

Page 110

1. IN: 6, 13, 21, 15, 62, 49, 52  
OUT: 15, 22, 30, 24, 71, 58, 61  
RULE:  $IN + 9 = OUT$
2. IN: 62, 20, 70, 36, 42, 32, 70  
OUT: 31, 10, 35, 18, 21, 16, 35  
RULE:  $IN / 2 = OUT$
3. IN: 13, 10, 15, 22, 33, 18, 20  
OUT: 39, 30, 45, 66, 99, 54, 60  
RULE:  $IN \times 3 = OUT$
4. IN: 13, 39, 93, 64, 42, 59, 83  
OUT: 0, 26, 80, 41, 29, 46, 70  
RULE:  $IN - 13 = OUT$

### Reading

Pages 111-113

1. Answers will vary.
2. Answers will vary.
3. Answers will vary.
4. Answers will vary.
5. Answers will vary.

## WATER

### Vocabulary

Pages 114-115

1. C
2. A
3. A
4. C
5. D
6. C
7. B
8. D

### Math

Pages 116-117

1. B
2. C
3. A
4. C
5. D
6. A
7. B
8. C

### Reading

Pages 118-119

1. Answers will vary
2. Answers will vary
3. Answers will vary