TITLE: The Ride of Their Lives/ The First Lady of Motorcycling

USE: [ ] before your visit [ ] during your visit [ ] after your visit

LEVEL: Elementary

ANSWERS:

The Ride of Their Lives

1. It gave Effie the freedom to explore and travel the United States.

2. Road conditions were very different than road conditions today. Decent roads were often non-existent, mud packed, or washed away.

3. They had to cross deserts, climb mountains and sleep in garage corners or wherever they could. They also had to deal with a lack of water, motorcycle repair challenges, and wild animals.

4. In 1915, travel across the United States was difficult and rare. Not many people had the opportunity to see both oceans.

The First Lady of Motorcycling

1. Her father was a Harley-Davidson dealer and sidecar manufacturer.

2. In 1936, fewer than half of the contestants even finished the contest. Not many women competed in motorcycling events at that time in history.

3. Dot was co-owner of the Detroit Harley-Davidson dealership, a courier for a private defense contractor in WW II, and spear-headed the growth of the Motor Maids membership.

4. Dot logged up to 50,000 miles a year riding a motorcycle and logged more than 1.5 million miles on a motorcycle in her lifetime.

STATE STANDARDS:

• Wisconsin
  - English Language Arts:
    A4.3, A4.4, B4.1, B4.2
  - Social Studies:
    B4.3, B4.7, B4.8

• Illinois
  - English Language Arts:
    1.B.1b, 1.B.2b, 1.C.1b, 1.C.2b, 1.C.1d, 2.A.1b, 2.B.2a, 2.b.1b, 2.B.2b, 3.A.1, 3.A.2, 3.C.1a, 3.C.2a
  - Social Science:
**TITLE:** Be a Museum Reporter

**USE:** ✅ before your visit  ✅ during your visit  ❌ after your visit

**LEVEL:** Elementary

**ANSWERS:** Answers will vary.

**STATE STANDARDS:**

- **Wisconsin**
  - English Language Arts: A4.3, A4.4, B4.1, B4.2
  - Social Studies: B4.3, B4.7, B4.8

- **Illinois**
  - English Language Arts: 1.B.1b, 1.B.2b, 1.C.1b, 1.C.2b, 1.C.1d, 2.A.1b, 2.B.2a, 2.b.1b, 2.B.2b, 3.A.1, 3.A.2, 3.C.1a, 3.C.2a

---

**TITLE:** Finding Your Way in the Harley-Davidson Museum™

**USE:** ✅ before your visit  ✅ during your visit  ❌ after your visit

**LEVEL:** Elementary

**ANSWERS:**

1. (7, 2) and (7, 3)
2. (3, 3), (4, 3) and (1, 2)
3. (5, 2)
4. (6, 3)
5. (1, 1), (2, 1), (3, 1), (1, 2), (2, 2) and (3, 2)

**STATE STANDARDS:**

- **Wisconsin**
  - Social Studies: A4.5
  - Mathematics: A4.2, E4.3

- **Illinois**
  - Social Science: 17.A.1b, 17.A.2b
  - Mathematics: 10.A.1a, 10.A.2a
**ANSWER KEYS FOR ROAD TRIP GUIDES (cont'd)**

**TITLE:** Finding Your Way on the Grounds of the Harley-Davidson Museum™

**USE:** [ ] before your visit [ ] during your visit [ ] after your visit

**LEVEL:** Elementary

**ANSWERS:**

**STATE STANDARDS:**

- Wisconsin
  - Social Studies: A4.5
  - Mathematics: A4.2, E4.3

- Illinois
  - Social Science: 17.A.1b, 17.A.2b
  - Mathematics: 10.A.1a, 10.A.2a

---

**TITLE:** Simple Machines

**USE:** [ ] before your visit [ ] during your visit [ ] after your visit

**LEVEL:** Elementary

**ANSWERS:**

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

**STATE STANDARDS:**

- Wisconsin
  - Science: G4.4
TITLE: The Hunt for Simple Machines

USE: □ before your visit □ during your visit □ after your visit

LEVEL: Elementary

ANSWERS: Answers will vary

STATE STANDARDS:
- Wisconsin
  - Science: G4.4

-----------------------------

TITLE: The Marion Chronicle

USE: □ before your visit □ during your visit □ after your visit

LEVEL: Middle

ANSWERS:
1. Answers will vary. Some examples include: With visitors flocking to the city by the hundreds...The grand stand has been erected and will hold five thousand wildly excited race enthusiasts...A calm determined spirit prevails in every camp...

2. The race is the World Championship Road race. It is the greatest road race of the season.

3. The riders have been “tuning up” their motorcycles and familiarizing themselves with every little “peculiarity” of the course. The riders know their machines and the course to perfection.

4. Like modern racers today, it is important to have an engine that performs to a high degree during competition. It is also important for racers to know the race course and where they will be going.

5. Charley Spencer was a competitive racer. C.D. Franklin was known as the “silent mechanic” and a member of the automotive designing board. William Ottoway was known for his in depth knowledge of racing matters. H.B. Myers served the U.S. Army in the Motorcycle Parts department of the Maintenance Division.

6. Answers will vary.

STATE STANDARDS:
- Wisconsin
  - English Language Arts: A8.4, B8.1, B8.2
- Illinois
**TITLE: The Chronicle Sports Reporter**

**USE:**  □ before your visit  ■ during your visit  □ after your visit  

**LEVEL:**  Middle 

**ANSWERS:**  Answers will vary. 

**STATE STANDARDS:**  
- Wisconsin  
  - English Language Arts:  
    A8.4, B8.1, B8.2 
- Illinois  
  - English Language Arts:  

-------------------------------

**TITLE: The Story of the World War I Picture**

**USE:**  ■ before your visit  □ during your visit  ■ after your visit  

**LEVEL:**  Middle 

**ANSWERS:**

1. Ray Holtz was a corporal in the United States Army. He was stationed in Northern Belgium and was a motorcycle dispatch rider. 
2. Corporal Holtz knew that they were heading for enemy lines, but his captain insisted they keep going. 
3. Initially, Corporal Holtz was boiling mad for following his captain’s orders into enemy territory. He probably felt scared, because he didn’t know what the German officers would do to him. 
4. Answers will vary. Some examples include: They were afraid of the American soldiers. They knew the end of the war would occur soon, so they shared their potato whiskey and let the Americans go free. 
5. Holtz and his captain were released from the Germans. They had to return fifty to sixty miles to reach their outfit. 
6. They were the first Americans to reach the village after the end of the war. They knew that an army of Americans were coming to rescue them. 
7. During this time Holtz and his Harley-Davidson carried countless dispatches for American troops. 

**STATE STANDARDS:**  
- Wisconsin  
  - Social Studies:  
    B8.1, B8.4, B8.7 
- Illinois  
  - Social Science:  
    16.A.3b
TITLE: Finding Harley-Davidson on the US Timeline

USE: □ before your visit  ■ during your visit  □ after your visit

LEVEL: Middle

ANSWERS:
- 1903 – E
- 1916 – H
- 1932 – B
- 1936 – F
- 1940s – G
- 1964-65 – C
- 1969 – J
- 1981 – I
- 2001 – A
- 2009 – D

STATE STANDARDS:
• Wisconsin
  - Social Studies:
    B8.1, B8.4, B8.7
• Illinois
  - Social Science:
    16.A.3b

TITLE: The Four Stroke Engine

USE: ■ before your visit  □ during your visit  ■ after your visit

LEVEL: Middle

ANSWERS:
- Spark plug
- Intake valve
- Cylinder
- Flywheel
- Exhaust valve
- Piston
STATE STANDARDS:

• Wisconsin
  - Science:
    D8.1, D8.2, D8.3, D8.4, D8.6, D8.7, D8.8, D8.9

• Illinois
  - Science:
    12.C.3a, 12.C.3b, 12.D.3a

----------------------------------------

TITLE: The Engine Room

USE: □ before your visit  ■ during your visit  □ after your visit

LEVEL: Middle

ANSWERS:

1. Fuel injected engines electronically spray the air-gas mixture into the combustion chamber. A carbureted engine injects gas into air being sucked in the engine.

2. There is 15,000 pounds of energy released in an instant.

3. The pistons moving up and down cause the flywheels to rotate. The flywheels turn a shaft, transmitting this rotation to the rear wheel through a series of gears.

4. They help keep the motorcycle upright when it is in motion.

5. Both engines are air-cooled, 45 degree V-twin engines. They both use a primary chain to transfer power from the motor to the transmission.

6. The older model is a 74 cubic inch standard motor. The intake valve sits directly over the exhaust valve. The Twin Cam 88 has both valves placed in the cylinder head.

STATE STANDARDS:

• Wisconsin
  - Science:
    D8.1, D8.2, D8.3, D8.4, D8.6, D8.7, D8.8, D8.9

• Illinois
  - Science:
    12.C.3a, 12.C.3b, 12.D.3a