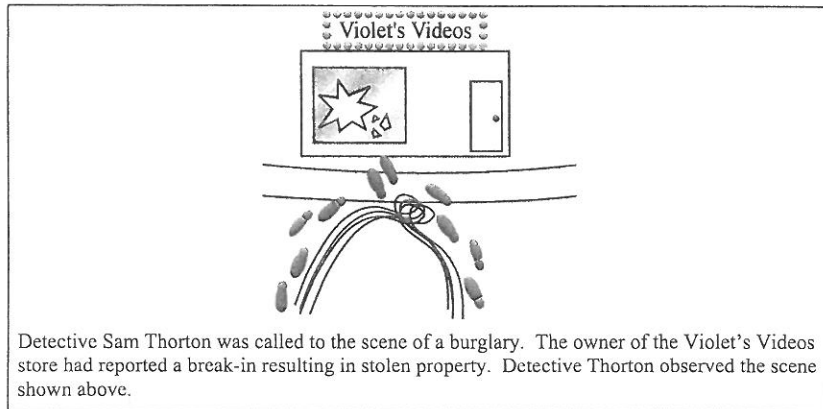


## UNIT TEST—EVIDENCE AND INVESTIGATION

Use the following information to answer the next three questions.



- From the evidence in this diagram, Detective Thorton observed that
  - the footprints belonged to an adult
  - the four-wheeled item was a shopping cart
  - the four-wheeled item was a little red wagon
  - the footprints led up to and away from the display window
- Detective Thorton was able to infer that
  - the thief was not very old
  - the thief wanted to sell the videos to make money
  - the display window was broken from the outside of the store
  - the thief was not able to carry all of the stolen goods by himself
- Detective Thorton followed the tire and footprints as they led away from the shop. The prints led to a sidewalk on a main street where they became indistinguishable from other footprints. Detective Thorton followed the tire and footprints in an effort to determine
  - if the thief lived nearby
  - how many videos had been taken
  - if the thief talked to anyone while he was leaving
  - the direction the thief headed after stealing the videos

Use the following information to answer the next question.

Detective Thorton also took pictures of the tread marks left by the tires. An image of the tire print is shown below. He compared it to four leading brands of tire tread marks.

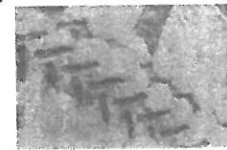


4. The tread mark found at the scene of the robbery is most likely from

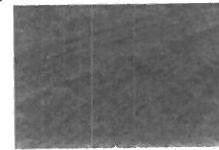
A.



B.



C.



D.



Use the following information to answer the next question.

Detective Thorton finds a piece of torn cloth on the edge of a broken display glass. He placed the fabric sample in a small Baggie, and sent it to the lab to be analyzed.

- At a crime lab, tests are **not** carried out to determine
  - if the material is made of a natural or synthetic fiber
  - how the fabric responds when dyed
  - how the fabric responds when wet
  - its fiber shape and weave pattern

Use the following information to answer the next question.

Inside the store, Detective Thorton finds a piece of paper that lists most of the videos that were stolen. The owner who closed the shop earlier in the evening said that no such note had been in the store when he left. A few days later, Detective Thorton compares the handwriting on the note with four people he suspects in the crime.



6. From the handwriting samples supplied, the sample that most closely matches the list found at the scene is

A.

Call Mike  
on  
Tuesday

B.

Meet at  
Centre  
Mall  
4:30 P.M.

C.

Grocery List:  
- milk  
- fruit  
- eggs  
- chicken.

D.

Remember  
Doctor  
appointment  
on  
Thursday!

Use the following information to answer the next two questions.

Carrie and Dianne were working for the summer as assistants at Dinosaur Provincial Park. They were working on a fossil dig led by some university students. One day, Carrie and Dianne discovered some fossilized dinosaur tracks.



7. Their supervisor explained that the foot prints show one dinosaur was

- A. chasing the other
- B. bigger than the other
- C. heavier than the other
- D. moving faster than the other

8. After observing the footprints, Carrie and Dianne concluded that, compared to birds, dinosaurs

- A. had similar foot structure to birds
- B. were warm blooded like birds
- C. were agile runners like birds
- D. were similar in size to birds

9. When Rowan moved some logs off a woodpile, he found a collection of pine cones hidden underneath the logs. He concluded that the pine cones were put in the woodpile by

- A. his little sister, who likes to hide things
- B. the family dog, who likes to hide things,
- C. a rabbit, who was storing food for the winter
- D. a squirrel, who was storing food for the winter.

Use the following information to answer the next question.

Marie's parents went out for the evening. They gave her permission to have some friends over. Marie said that she would have one friend over. The next morning, Marie's dad was doing the dishes from the night before when he noticed four cups by the sink, each with a different colour of lipstick on the rim.

10. Marie's dad inferred that Marie
- A. and a friend each drank from two different cups
  - B. and a friend were trying on different lipsticks
  - C. had three friends over instead of one
  - D. drank from four different cups







Use the following information to answer the next question.

Samuel collected some soil from the shore of a lake and from his garden. When he compared the two soils, he saw that they looked very different.

11. What was one difference Samuel **most likely** saw between the two soils?
- A. The garden soil had fewer clumps of black dirt in it than the lake soil.
  - B. The garden soil had fewer decaying plants in it than the lake soil.
  - C. The lake soil had more sand in it than the garden soil.
  - D. The lake soil had more clay in it than the garden soil.
12. When investigators compare writing samples, they take into account all of the following characteristics **except** the
- A. size of the words
  - B. space between letters
  - C. length of time it took to write the sample
  - D. size of the loops on the letters *p*, *g*, and *y*

Use the following information to answer the next question.

Some important papers were stolen from a downtown office. The following fingerprints were collected from the doorknob, the filing cabinet, and a file folder in the office.

Doorknob	Filing cabinet	File folder
		
		

Investigators analyzed the fingerprints and noticed that one print could be found in all three places. The investigators reasoned that the person whose fingerprint was in all three places was the one who most likely stole the papers.

13. Which of the following fingerprints was found in all three places

A.



B.



C.



D.

