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A Million Whys Book 3: Science Quiz

The Built Expedition, by Crafty Clover.

Name: _____ Date: _____ Score: _____ / 12

Fill in the missing number. Use the number bank.

Number bank: 3 10 12 16 90 100 120 340 1800 1854 1876 35,000

1. Big jets cruise at about _____ feet, higher than any mountain.
   From: Why Do Airplanes Stay in the Sky?
2. The first battery was Volta's pile, made in _____.
   From: Why Do Batteries Die?
3. Sound moves only about _____ meters per second, so the boom catches up a little later.
   From: Why Do We See Lightning Before Thunder?
4. Some skyscrapers sit on piles driven more than _____ feet down!
   From: Why Do Buildings Have Foundations?
5. In _____, Elisha Otis showed a safety brake that stops the car if a cable snaps.
   From: Why Do Buildings Have Elevators?
6. A slight tilt, just a quarter inch every _____ feet, is enough to make rain walk to the downspout.
   From: Why Do Roofs Have Gutters?
7. Joists spaced about every _____ inches share the load of furniture and feet.
   From: Why Do Floors Have Beams?
8. In _____, Alexander Graham Bell made the first telephone call. He said, Mr. Watson, come here.
   From: Why Do Phones Ring?
9. Most grocery codes are UPC numbers, and they are _____ digits long.
   From: Why Do Barcodes Beep at the Store?
10. A dash is _____ times longer than a dot.
    From: Why Did Morse Code Use Dots and Dashes?
11. When two bubbles touch, they share a wall and meet at about _____ degrees.
    From: Why Do Bubbles Shimmer Then Pop?
12. A square is a frozen right angle. It checks that two edges meet at _____ degrees.
    From: Why Do Carpenters Use Squares?

Watch a short video answer for every question at xdme.com

FOR GROWN-UPS

Answer key

1. **35,000** (Big jets cruise at about 35,000 feet, higher than any mountain. Book 3, Question 2)
2. **1800** (The first battery was Volta's pile, made in 1800. Book 3, Question 27)
3. **340** (Sound moves only about 340 meters per second, so the boom catches up a little later. Book 3, Question 31)
4. **100** (Some skyscrapers sit on piles driven more than 100 feet down! Book 3, Question 51)
5. **1854** (In 1854, Elisha Otis showed a safety brake that stops the car if a cable snaps. Book 3, Question 60)
6. **10** (A slight tilt, just a quarter inch every 10 feet, is enough to make rain walk to the downspout. Book 3, Question 64)
7. **16** (Joists spaced about every 16 inches share the load of furniture and feet. Book 3, Question 71)
8. **1876** (In 1876, Alexander Graham Bell made the first telephone call. He said, Mr. Watson, come here. Book 3, Question 76)
9. **12** (Most grocery codes are UPC numbers, and they are 12 digits long. Book 3, Question 83)
10. **3** (A dash is 3 times longer than a dot. Book 3, Question 92)
11. **120** (When two bubbles touch, they share a wall and meet at about 120 degrees. Book 3, Question 115)
12. **90** (A square is a frozen right angle. It checks that two edges meet at 90 degrees. Book 3, Question 142)

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