

Multiplication and Division: Nature's Numbers

Multiplication & Division · Answer Key · 10 Questions

1. A mature whale shark can be up to 18 meters long. If the average length of a newborn whale shark is 0.5 meters, approximately how many times longer is a mature whale shark than a newborn?

A) 30 times

B) 36 times

C) 40 times

D) 48 times

2. The Amazon rainforest produces roughly 20% of the world's oxygen. If a single large tree can produce oxygen equivalent to about 5 people's needs per year, and the rainforest has approximately 390 billion trees, how many people's oxygen needs can the Amazon rainforest potentially supply annually?

A) 1.95 billion

B) 78 billion

C) 390 billion

D) 975 billion

3. A typical honeybee colony can have up to 60,000 bees. If each bee visits an average of 1,000 flowers per day, how many total flower visits can the entire colony make in a day?

A) 6,000

B) 60,000

C) 60,000,000

D) 600,000,000

4. The Great Barrier Reef is approximately 2,300 kilometers long. If a diver can swim an average of 2 kilometers per hour, how many hours would it take to swim the entire length of the reef without stopping?

A) 1,000

B) 1,150

C) 2,300

D) 4,600

5. A single elephant can consume up to 150 kilograms of food per day. If a herd of 8 elephants is grazing, what is the total amount of food they consume in one day?

- A) 158 kg
- B) 1,050 kg
- C) 1,200 kg**
- D) 2,000 kg

6. Penguins are excellent swimmers. The Emperor penguin can dive to depths of around 500 meters. If a rock falls from the surface at an average speed of 10 meters per second, how long would it take to reach the maximum depth an Emperor penguin can dive?

- A) 5 seconds
- B) 50 seconds**
- C) 500 seconds
- D) 5,000 seconds

7. A mature giant sequoia tree can produce thousands of cones each year. If a tree produces an average of 4,000 cones and each cone contains roughly 150 seeds, how many seeds are produced by this tree in total?

- A) 4,150
- B) 15,000
- C) 60,000
- D) 600,000**

8. The fastest land animal, the cheetah, can reach speeds of up to 112 kilometers per hour. If a cheetah maintains this speed for 10 seconds, approximately how many kilometers does it travel?

- A) 0.31 km**
- B) 3.1 km
- C) 11.2 km
- D) 112 km

9. A female sea turtle may lay an average of 110 eggs in a nest. If 5 female sea turtles lay eggs on the same beach, how many eggs are laid in total?

- A) 115
- B) 550**
- C) 1,100
- D) 5,500

10. The average lifespan of a red panda is about 8 to 10 years in the wild. If a red panda lives for the maximum average of 10 years, and there are 12 months in a year, how many months does it live?

- A) 18
- B) 80
- C) 100
- D) 120**