

STUDY LINK
12•7

Operations with Fractions



1. In the Malagasay Indian tribes, it is against the law for a son to be taller than his father. If a son is taller, he must give his father money or an ox. Suppose a father is 5 feet $10\frac{1}{2}$ inches tall and his son is 5 feet $6\frac{3}{4}$ inches tall. How many more inches can the son grow before he is as tall as his father?

_____ (unit)

2. In the state of Indiana, it is illegal to travel on a bus within 4 hours of eating garlic. If you lived in Indiana and had eaten a bowl of pasta with garlic bread $2\frac{1}{3}$ hours ago, how many more hours would you need to wait before you could legally travel on a bus?

_____ (unit)

3. In Idaho, it is against the law to give a person a box of candy that weighs more than 50 pounds. It is Valentine's Day, and you give your mother a box of candy that weighs $48\frac{1}{4}$ pounds. How much more could the box weigh without breaking the law?

_____ (unit)

4. The body of an average jellyfish is about $\frac{9}{10}$ water. What fraction of the jellyfish is not water?

5. The world record for a jump by a frog is 19 feet $3\frac{1}{8}$ inches. How much farther would a frog need to jump to set a new world record of 7 yards?

_____ (unit)

6. The maximum length for a typical king cobra is about $5\frac{4}{5}$ meters. If 6 of these snakes were lined up end to end, how far would they stretch?

_____ (unit)

7. An average trumpeter swan weighs about $16\frac{4}{5}$ kilograms. What is the approximate weight of 3 average trumpeter swans?

_____ (unit)

Sources: *The Top 10 of Everything*; *Beyond Belief!*

Practice

8. $(4 * 4) + \frac{4}{4} =$ _____

9. $4! + 4 + 4 + \sqrt{4} =$ _____

10. 75% of 12 = _____

11. 50% of 360 = _____