Length Mass Volume 2-Steps Word Problems

FREE Worksheet - 5

Time: 20 minutes

(Detailed solutions at the end)

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1. A table has a mass of 32 kg.

   It is 8 times as heavy as a stool.

   Find the total mass of the table and the stool.

   Answer: _____ kg

2. Chris has a bag of clay and 8 identical board games.

   The mass of the bag of clay is 1 kg 145 g.

   The 8 board games are 465 g lighter than the bag of clay.

   What is the mass of each board game?

   Answer: _____ g

3. A crate filled with lemons had a mass of 4091 g.

    When Clark removed half the lemons from the crate,

    the mass of the crate became 2184 g.

    What was the mass of the empty crate?

    Answer: _____ g

4. A turkey is 10 kg heavier than a fish.

    The total mass of the turkey and a lamb is 77 kg.

    The lamb is 6 times as heavy as the turkey.

    Find the mass of the fish.

    Answer: _____ kg

5. Mr. Foo, a supplier, had some milk powder for sale.

   He packed and sold 2 cartons of milk powder each of mass 15 kg.
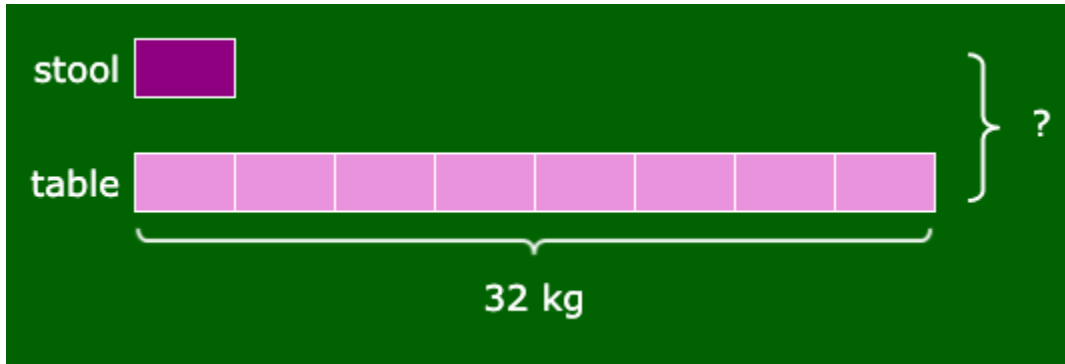
   In the end, he had 6 kg of milk powder left.

   What was the total mass of milk powder he had at first?

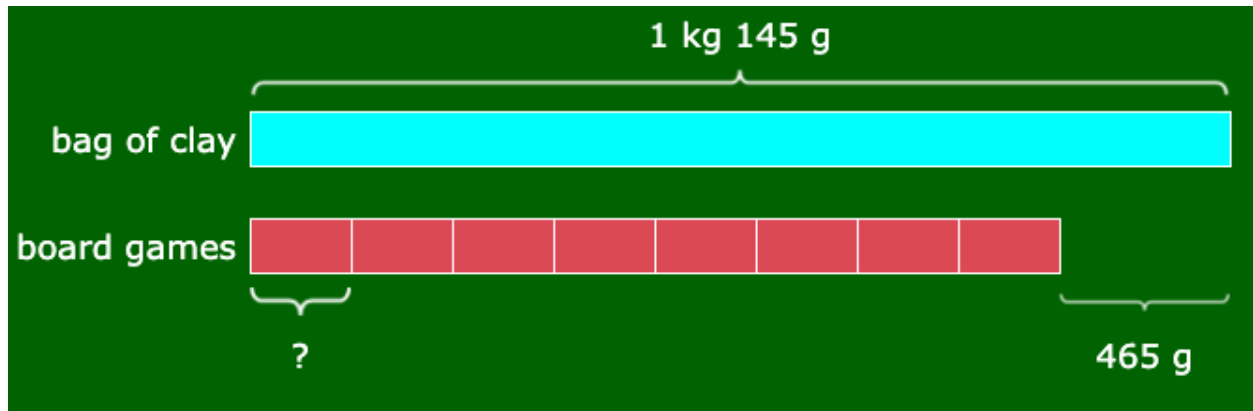Answer: _____ kg

SOLUTIONS

Problem 1

32 kg ÷ 8 = 4 kg

The mass of the stool is 4 kg.

32 kg + 4 kg = 36 kg

The total mass of the table and the stool is **36 kg**.

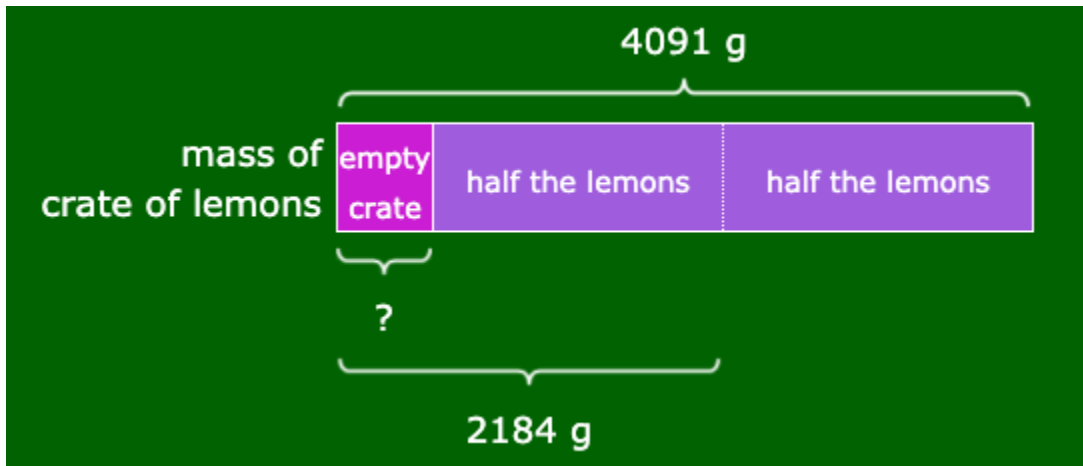### Problem 2

_____

_____

1 kg 145 g − 465 g =   1145 g − 465 g

=   680 g

The total mass of the 8 board games is 680 g.

680 g ÷ 8 = 85 g

The mass of each board game is *85 g*.

Problem 3

4091 g − 2184 g = 1907 g

The mass of half the lemons was 1907 g.

2184 g − 1907 g = 277 g

The mass of the empty crate was **277 g.**

Problem 4

7 units   →   77 kg

1 unit   →   77 kg ÷ 7

                 =   11 kg

The mass of the turkey is 11 kg.

11 kg − 10 kg = 1 kg

The mass of the fish is *1 kg.*

Problem 5
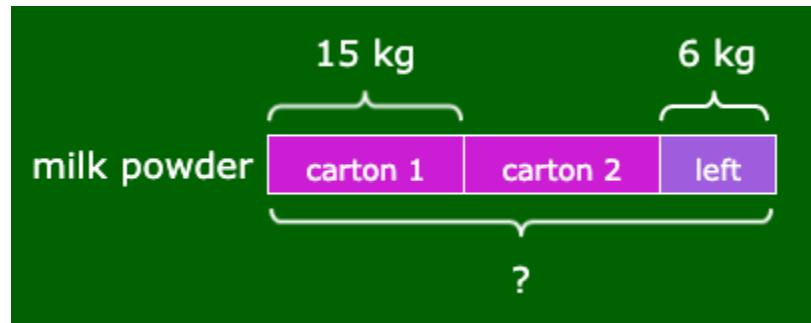
15 kg × 2 = 30 kg

He sold 30 kg of milk powder altogether.

30 kg + 6 kg = 36 kg

He had **36 kg** of milk powder at first.