

What does the remainder mean?

Name: _____ Date: _____

Read each one, write the division, then answer the question the remainder actually asks.

1. A farmer collects 1000 eggs and fills trays of 12. How many trays are full, and how many eggs are left over?

2. A club has 617 members going on a trip in minibuses that hold 9 people each. How many minibuses are needed?

3. A ribbon 2450 mm long is cut into pieces 45 mm long. How many pieces, and how much ribbon is wasted?

4. A library shelves 3186 books, 6 to a shelf. How many shelves are used?

5. A prize of 8500 pence is shared equally between 8 winners. How much does each get, and how much is left in the pot?

Answer key: What does the remainder mean?

Read each one, write the division, then answer the question the remainder actually asks.

1. A farmer collects 1000 eggs and fills trays of 12. How many trays are full, and how many eggs are left over?

$$1000 \div 12 = 83 \text{ R } 4$$

83 full trays, with 4 eggs left over.

2. A club has 617 members going on a trip in minibuses that hold 9 people each. How many minibuses are needed?

$$617 \div 9 = 68 \text{ R } 5$$

68 minibuses hold 612 people and 5 are left, so 69 minibuses are needed.

3. A ribbon 2450 mm long is cut into pieces 45 mm long. How many pieces, and how much ribbon is wasted?

$$2450 \div 45 = 54 \text{ R } 20$$

54 pieces, with 20 mm of ribbon left over.

4. A library shelves 3186 books, 6 to a shelf. How many shelves are used?

$$3186 \div 6 = 531$$

531 shelves, filled exactly.

5. A prize of 8500 pence is shared equally between 8 winners. How much does each get, and how much is left in the pot?

$$8500 \div 8 = 1062 \text{ R } 4$$

1062 pence each, with 4 pence left in the pot.