

Interpreting Remainders

Name: _____

Grade 4 · Decide what the remainder means in a story: add one, drop it, or use the remainder as the answer

How it works

$26 \div 4 = 6 \text{ R } 2$. The same division can give three different answers. Read the question to see what to do with the remainder.

26 children ride in cars that hold 4. How many cars are needed?

7 cars

Add one. The 2 children left over still need a car.

26 eggs go in cartons of 4. How many cartons are full?

6 cartons

Drop it. The 2 eggs left over do not fill a carton.

26 cards are shared by 4 friends. How many cards are left over?

2 cards

The remainder is the answer.

A. Divide. Circle what to do with the remainder. Then write the answer.

1. 45 students are going on a trip. Each van holds 8 students. How many vans are needed?

$$45 \div 8 = \underline{\quad} \text{ R } \underline{\quad}$$

add one

drop it

the remainder

Answer: _____ vans

2. Kim has 50 beads. Each bracelet uses 7 beads. How many bracelets can she finish?

$$50 \div 7 = \underline{\quad} \text{ R } \underline{\quad}$$

add one

drop it

the remainder

Answer: _____ bracelets

3. A baker puts 38 muffins in boxes of 6. He eats the muffins left over. How many muffins does he eat?

$$38 \div 6 = \underline{\quad} \text{ R } \underline{\quad}$$

add one

drop it

the remainder

Answer: _____ muffins

4. A book has 100 pages. Leo reads 9 pages a day. How many days does it take him to finish the book?

$$100 \div 9 = \underline{\quad} \text{ R } \underline{\quad}$$

add one

drop it

the remainder

Answer: _____ days

5. A ribbon is 87 centimeters long. Ana cuts it into pieces 8 centimeters long. How many pieces can she cut?

$$87 \div 8 = \underline{\quad} \text{ R } \underline{\quad}$$

add one

drop it

the remainder

Answer: _____ pieces

6. 59 stickers are shared equally by 5 children. The teacher keeps the stickers left over. How many does the teacher keep?

$$59 \div 5 = \underline{\quad} \text{ R } \underline{\quad}$$

add one

drop it

the remainder

Answer: _____ stickers

Interpreting Remainders (Answer Key)

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How it works

$26 \div 4 = 6 \text{ R } 2$. The same division can give three different answers. Read the question to see what to do with the remainder.

26 children ride in cars that hold 4. How many cars are needed?

7 cars

Add one. The 2 children left over still need a car.

26 eggs go in cartons of 4. How many cartons are full?

6 cartons

Drop it. The 2 eggs left over do not fill a carton.

26 cards are shared by 4 friends. How many cards are left over?

2 cards

The remainder is the answer.

A. Divide. Circle what to do with the remainder. Then write the answer.

1. 45 students are going on a trip. Each van holds 8 students. How many vans are needed?

$$45 \div 8 = \underline{5} \text{ R } \underline{5}$$

add one

drop it

the remainder

Answer: 6 vans

2. Kim has 50 beads. Each bracelet uses 7 beads. How many bracelets can she finish?

$$50 \div 7 = \underline{7} \text{ R } \underline{1}$$

add one

drop it

the remainder

Answer: 7 bracelets

3. A baker puts 38 muffins in boxes of 6. He eats the muffins left over. How many muffins does he eat?

$$38 \div 6 = \underline{6} \text{ R } \underline{2}$$

add one

drop it

the remainder

Answer: 2 muffins

4. A book has 100 pages. Leo reads 9 pages a day. How many days does it take him to finish the book?

$$100 \div 9 = \underline{11} \text{ R } \underline{1}$$

add one

drop it

the remainder

Answer: 12 days

5. A ribbon is 87 centimeters long. Ana cuts it into pieces 8 centimeters long. How many pieces can she cut?

$$87 \div 8 = \underline{10} \text{ R } \underline{7}$$

add one

drop it

the remainder

Answer: 10 pieces

6. 59 stickers are shared equally by 5 children. The teacher keeps the stickers left over. How many does the teacher keep?

$$59 \div 5 = \underline{11} \text{ R } \underline{4}$$

add one

drop it

the remainder

Answer: 4 stickers