



Date: _____

From the video

1

50 children, 6 per boat: how many boats do we need?
 $50 \div 6$ does not divide evenly. The remainder still needs a boat!

50 ÷ 6 = remainder

Boats:

3

a) $50 \div 6 = \square$ remainder $\square \rightarrow$ boats: $\square$

b) $62 \div 8 = \square$ remainder $\square \rightarrow$ cars: $\square$

c) $37 \div 5 = \square$ remainder $\square \rightarrow$ bags: $\square$

5

Check with the inverse operation: $8 \times 6 = ?$ Write the checks for task 2.

6

[illegible]

Left: $168 \div 7$. Right: 31×12 . Line up the digits in columns.

2

Split the number cleverly.

$168 \div 7 = \square$

$135 \div 5 = \square$

$192 \div 8 = \boxed{}$

4

Split into tens and ones.

$31 \times 12 = \square$

$25 \times 16 = \boxed{}$

$18 \times 15 = \square$

150 candies, bags of 6 each: How many bags? How many candies do you need for 20 bags?



The Remainder Counts

**1 Now it's your turn!**

$50 \div 6 = 8$ remainder 2 $\rightarrow$ 9 boats

The 2 children left over need a ninth boat.

2 Divide in steps.

$168 \div 7 = 24 \quad 135 \div 5 = 27 \quad 192 \div 8 = 24$

3 With remainders.

$50 \div 6 = 8$ remainder 2 $\rightarrow$ 9 boats

$62 \div 8 = 7$ remainder 6 $\rightarrow$ 8 cars

$37 \div 5 = 7$ remainder 2 $\rightarrow$ 8 bags

4 Multiplying big numbers.

$31 \times 12 = 372 \quad 25 \times 16 = 400 \quad 18 \times 15 = 270$

5 Think backwards.

$24 \times 7 = 168 \quad 27 \times 5 = 135 \quad 24 \times 8 = 192$

★ Brain teaser

$150 \div 6 = 25$ remainder 0; for 20 bags you need 120, so nothing is missing – you have 30 more than you need.

6 In writing.

$168 \div 7 = 24 \quad 31 \times 12 = 372$

For parents and teachers: This worksheet goes with the video “The Remainder Counts” (Math Story 73, Grade 4). Mental calculation with steps: split numbers cleverly. In word problems with a remainder, the question decides whether to round up.

More Math Stories with video and worksheet: www.mathapex.app/en/math-stories/