Sharing Fairly

MathApex

Name: _____ Date: _____

Watch video

From the video 120 candies for 5 children → 100 ÷ 5 = 20 and 20 ÷ 5 = 4 → **24**

1 Now it's your turn!

144 candies are shared among 8 children. How many does each child get?

Split 144 into numbers that are easy to divide by 8: 80 + 64.

144 ÷ 8 = ☐ candies

2 Divide in steps.

Split the number cleverly.

135 ÷ 5 = ☐

192 ÷ 8 = ☐

156 ÷ 6 = ☐

3 With remainders.

a) **62 ÷ 8 = ☐ remainder ☐** → cars: ☐

b) **37 ÷ 5 = ☐ remainder ☐** → bags: ☐

c) **29 ÷ 4 = ☐ remainder ☐** → tables: ☐

4 Multiplying big numbers.

Split into tens and ones.

23 × 14 = ☐

42 × 13 = ☐

25 × 16 = ☐

5 Think backwards.

Check with the inverse operation: 18 × 8 = ? Write the checks for task 2.

Brain teaser

125 candies are packed into bags of 4 candies each. How many full bags is that, and how many candies are left over? How many candies are missing for 20 bags?

6 Written calculation.

Left: 135 ÷ 5. Right: 23 × 14. Line up the digits in columns.

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MATH STORY 72 · ANSWERS

Sharing Fairly

Watch video

1 Now it's your turn!

144 ÷ 8 = 18

80 ÷ 8 = 10 and 64 ÷ 8 = 8.

2 Divide in steps.

135 ÷ 5 = 27 192 ÷ 8 = 24 156 ÷ 6 = 26

3 With remainders.

62 ÷ 8 = 7 remainder 6 → 8 cars
37 ÷ 5 = 7 remainder 2 → 8 bags
29 ÷ 4 = 7 remainder 1 → 8 tables

4 Multiplying big numbers.

23 × 14 = 322 42 × 13 = 546 25 × 16 = 400

5 Think backwards.

27 × 5 = 135 24 × 8 = 192 26 × 6 = 156

★ Brain teaser

125 ÷ 4 = 31 remainder 1; for 20 bags you need 80, so nothing is missing – you have 45 more than you need.

6 In writing.

135 ÷ 5 = 27 23 × 14 = 322

For parents and teachers: This worksheet goes with the video "Sharing Fairly" (Math Story 72, Grade 4). Mental calculation with steps: split numbers cleverly. In word problems with a remainder, the question decides whether to round up.

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