Class 4 Division Word Problems

Thinking Juggernaut

Key Concepts for Class 4:

• **Division with Remainders:** When numbers don't divide evenly, we get a remainder

• **Multi-step Problems:** Sometimes you need to add, subtract, or multiply before dividing

• **Real-life Applications:** Money problems, sharing, grouping, and distribution

• **Larger Numbers:** Practice dividing 2-digit and 3-digit numbers

🎯 Sample Multi-Step Problem with Visual

Problem: A shopkeeper bought 125 notebooks. He sold 20 notebooks on Monday and wants to pack the remaining notebooks equally in 7 boxes. How many notebooks will be in each box? Will there be any notebooks left over?

125 notebooks - 20 sold = 105 ÷ 7 boxes

Step 1: Subtract
125 - 20 = 105
Remaining notebooks

➡

Step 2: Divide
105 ÷ 7 = ?
Per box + Remainder

7 boxes with equal notebooks

Box 1	Box 2	Box 3		Box 7	Left Over
15	**15**	**15**	…	**15**	**0**

Solution:

Step 1: 125 - 20 = 105

Step 2: 105 ÷ 7 = 15

Remainder = 0

Answer: 15 notebooks per box, 0 left over

Part A: Warm-up (Easy) - 4 Questions

Q1. A school library has 156 books. The librarian wants to arrange them equally on 12 shelves. How many books will be on each shelf?

Q2. Ravi collected 275 stamps. He wants to paste them equally in 5 albums. How many stamps will be in each album?

A) 50 stamps

B) 55 stamps

C) 60 stamps

D) 65 stamps

Q3. A baker made 144 cupcakes. He packs them in boxes of 12. How many boxes does he need?

144 cupcakes ÷ 12 per box = ?

| 12 | | 12 | | 12 | ... | 12**?** boxes |

Q4. Divide 238 by 7. What is the quotient and remainder?

Quotient = _____ , Remainder = _____

Part B: Practice (Medium) - 8 Questions

Q5. A farmer harvested 456 mangoes. He sold 96 mangoes at the market. He wants to pack the remaining mangoes equally in 8 baskets. How many mangoes will be in each basket?

456 - 96 = ? ÷ 8 baskets

| Total 456 | − | Sold 96 | = | Left ? | ÷ 8 |

Per basket = ?

Q6. A cloth merchant has 825 meters of cloth. He cuts it into pieces of 15 meters each. How many pieces can he make?

A) 50 pieces

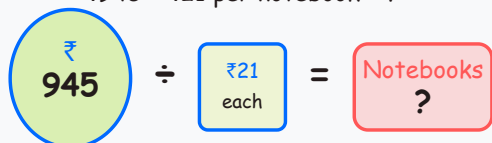B) 55 pieces

C) 60 pieces

D) 65 pieces

Q7. A sweet shop made 567 laddoos for Diwali. They pack 18 laddoos in each box. How many full boxes can they make? How many laddoos will be left over?

Full boxes = _____ , Laddoos left = _____

Q8. A school has 384 students. They need to divide students equally into 16 sections. How many students will be in each section?

Q9. Meera saved ₹945 in her piggy bank. She wants to buy notebooks that cost ₹21 each. How many notebooks can she buy? How much money will be left?

₹945 ÷ ₹21 per notebook = ?

₹ **945** ÷ ₹21 each = Notebooks **?**

Q10. A factory produces 1,248 pencils in a day. They pack them in boxes of 24 pencils each. How many boxes do they fill completely?

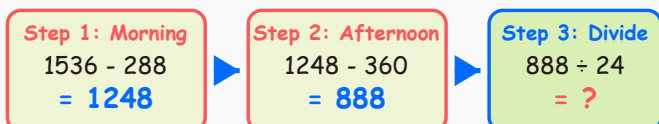|	
A) 48 boxes	B) 50 boxes
C) 52 boxes	D) 54 boxes

Q11. A cricket stadium has 672 seats arranged in equal rows. If there are 21 seats in each row, how many rows are there?

Q12. A bookstore received 855 books. The owner wants to display them on shelves with 19 books on each shelf. How many shelves will be completely filled? How many books will remain?
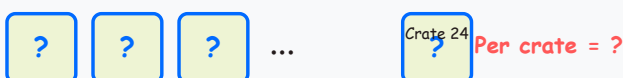
Complete shelves = _____ , Books remaining = _____

Part C: Challenge (Hard) - 3 Questions

Q13. A vegetable vendor bought 1,536 tomatoes. He sold 288 tomatoes in the morning and 360 tomatoes in the afternoon. He packed the remaining tomatoes equally in 24 crates. How many tomatoes are in each crate?

1536 - 288 - 360 = ? ÷ 24 crates

Step 1: Morning	Step 2: Afternoon	Step 3: Divide
1536 - 288 = **1248**	1248 - 360 = **888**	888 ÷ 24 = **?**

24 crates with equal tomatoes

| ? | ? | ? | ... | Crate 24 ? | **Per crate = ?** |

Q14. A juice factory produced 2,016 bottles of juice in a week. They pack 48 bottles in each carton for shipping. After packing all complete cartons, they donate the remaining bottles to a charity. How many cartons can they ship? How many bottles will be donated?

Cartons shipped = _____ , Bottles donated = _____

Q15. A construction company has 1,875 bricks. They used 315 bricks for building a wall. The remaining bricks are to be loaded equally on 12 trucks. How many bricks will each truck carry? If each brick weighs 3 kg, what is the total weight of bricks on one truck?

Bricks per truck = _____ , Weight per truck = _____ kg

🎯 **Answer Key**

Q1: 13 books

Q2: B) 55 stamps

Q3: 12 boxes

Q4: Quotient = 34, Remainder = 0

Q5: 45 mangoes (456-96=360, 360÷8=45)

Q6: B) 55 pieces

Q7: Full boxes = 31, Laddoos left = 9

Q8: 24 students

Q9: 45 notebooks, ₹0 left (945÷21=45)

Q10: C) 52 boxes

Q11: 32 rows

Q12: Complete shelves = 45, Books remaining = 0

Q13: 37 tomatoes (1536-288-360=888, 888÷24=37)

Q14: Cartons = 42, Bottles donated = 0

Q15: 130 bricks per truck, 390 kg per truck (1875-315=1560, 1560÷12=130, 130×3=390)

📊 Scoring Guide

Score Range	Performance & Next Steps
13-15 correct	⭐⭐⭐ Excellent! You've mastered Class 4 division. Try Class 5 word problems for more challenge.
10-12 correct	⭐⭐ Very Good! Focus on multi-step problems. Practice: Subtract/Add first, then divide. Double-check remainders.

7-9 correct	⭐ Good Progress! Work on: 1) Long division practice (3-digit ÷ 2-digit), 2) Write all steps clearly, 3) Verify answers by multiplying back.
Below 7	💪 Keep Practicing! Master division tables first (up to 12×12). Practice simple division (2-digit ÷ 1-digit) daily. Ask teacher to explain remainders again.

Total Questions: 15 | Your Score: _____ / 15

💡 **Pro Tips:** Always write the problem in steps. For remainders, check if quotient × divisor + remainder = dividend!

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