

# Class 4 Division Worksheet



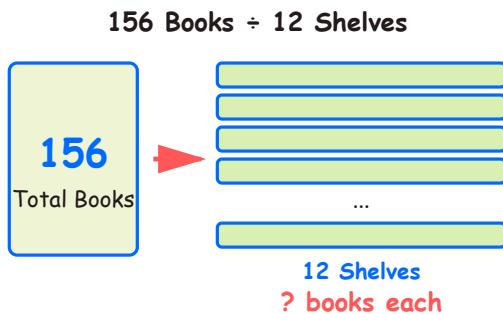
## Division in Class 4

**Division** is sharing a number equally into groups. Key Concepts below

- **Long Division** - A step-by-step method to divide larger numbers
- **Dividend** - The number being divided (inside the division bracket)
- **Divisor** - The number we divide by (outside the division bracket)
- **Quotient** - The answer we get
- **Remainder** - What's left over when division isn't exact
- **Division Rule:**  $\text{Dividend} = (\text{Divisor} \times \text{Quotient}) + \text{Remainder}$

### Sample Problem: Long Division Method

**Problem:** A library has 156 books to arrange equally on 12 shelves. How many books on each shelf?



$$\begin{array}{r}
 13 \quad \leftarrow \text{Quotient} \\
 \hline
 12 \quad | \quad 156 \\
 - 12 \downarrow \quad (12 \times 1) \\
 \hline
 36 \\
 - 36 \quad (12 \times 3) \\
 \hline
 \quad \quad \quad \leftarrow \text{Remainder}
 \end{array}$$

**Answer:** Each shelf gets **13** books

**Check:**  $12 \times 13 = 156 \checkmark$

## Part A: Warm-up (Easy) - 8 Questions

Q1. Solve:  $48 \div 6 = \underline{\hspace{2cm}}$

Q2. Fill in the blank:  $63 \div \underline{\hspace{2cm}} = 9$

Q3. Find the quotient and remainder:  $37 \div 5 = \underline{\hspace{2cm}} \text{ R } \underline{\hspace{2cm}}$

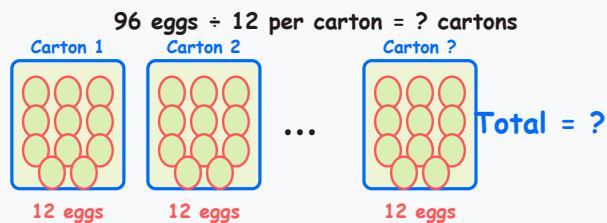
Q4. True or False:  $72 \div 8 = 9$

True

False

Q5. Solve using long division:  $84 \div 7 = \underline{\hspace{2cm}}$

Q6. A farmer collected 96 eggs and packed them in cartons of 12 eggs each. How many cartons did he fill?



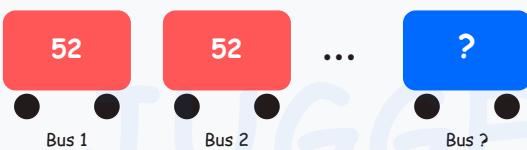
Q7. Fill in the blank: \_\_\_\_\_  $\div$  11 = 6

Q8. Solve:  $144 \div 12 =$  \_\_\_\_\_

### Part B: Practice (Medium) - 10 Questions

Q9. A school bus can carry 52 students. If 312 students need to go on a trip, how many buses are required?

$$312 \text{ students} \div 52 \text{ per bus} = ? \text{ buses}$$



Q10. Solve:  $175 \div 25 =$  \_\_\_\_\_

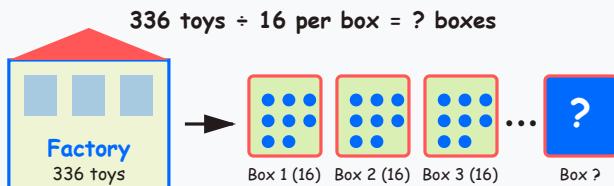
Q11. Find the quotient and remainder:  $89 \div 13 =$  \_\_\_\_\_ R \_\_\_\_\_

Q12. True or False: If  $156 \div 12 = 13$ , then  $13 \times 12 = 156$

True

False

**Q13.** A factory produces 336 toys in a week. If they pack 16 toys in each box, how many boxes do they need?



How many boxes needed in total?

**Q14.** Fill in the blank:  $228 \div \underline{\hspace{1cm}} = 19$

**Q15.** Solve using long division:  $384 \div 16 = \underline{\hspace{1cm}}$

**Q16.** Look at the pattern and fill in the missing number:

$$96 \div 8 = 12$$

$$192 \div 8 = 24$$

$$288 \div 8 = \underline{\hspace{1cm}}$$

**Q17.** A rope 255 cm long is cut into 15 equal pieces. What is the length of each piece?

**Q18.** Match the following:

**Column A**

- a)  $132 \div 11$
- b)  $210 \div 14$
- c)  $168 \div 12$
- d)  $195 \div 13$

**Column B**

- i) 15
- ii) 14
- iii) 12
- iv) 15

**Part C: Challenge (Hard) - 6 Questions**

**Q19.** A sweet shop has 864 laddoos. They are packed in boxes of 24 laddoos each. How many boxes can be filled? If 3 boxes are sold, how many boxes remain?

864 laddoos  $\div$  24 per box = ? boxes



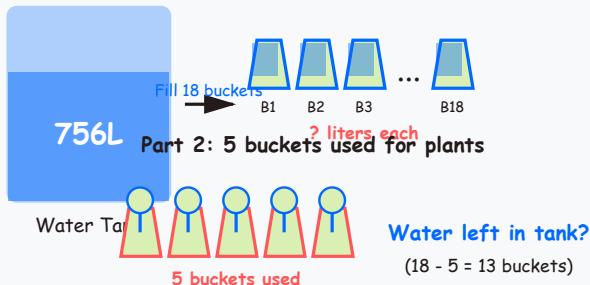
Total boxes = ?

After selling 3 boxes, remaining = ?

**Q20.** Find the value:  $(448 \div 16) + (225 \div 15) = \underline{\hspace{2cm}}$

**Q21.** A water tank has 756 liters of water. If 18 buckets can be filled equally, how much water does each bucket hold? If 5 buckets are used for watering plants, how many liters of water remain in the tank?

$$756 \text{ liters} \div 18 \text{ buckets} = ? \text{ liters each}$$



**Q22.** Look at the division fact and complete:

If  $468 \div 12 = 39$

Then  $468 \div 39 = \underline{\hspace{2cm}}$

**Q23.** A cricket stadium has 972 seats arranged in 27 equal rows. How many seats are in each row? If 15 rows are already full, how many empty seats are there?

**Q24.** Challenge Problem: A number when divided by 14 gives quotient 23 and remainder 8. What is the number?

*Hint: Use the formula: Dividend = (Divisor × Quotient) + Remainder*

## Answer Key

Q1: 8

Q2: 7

Q3: 7 R 2

Q4: True

Q5: 12

Q6: 8 cartons

Q7: 66

Q8: 12

Q9: 6 buses

Q10: 7

Q11: 6 R 11

Q12: True

Q13: 21 boxes

Q14: 12

Q15: 24

Q16: 36

Q17: 17 cm

Q18: a-iii, b-iv, c-ii, d-i

Q19: 36 boxes; 33 boxes remain

Q20: 43

Q21: 42 liters each; 546 liters remain

Q22: 12

Q23: 36 seats per row; 432 empty seats

Q24: 330

## Scoring Guide

### Score Range

### Performance

22-24 correct

★★★ Outstanding! Division Master!

18-21 correct

★★ Excellent! You're doing great!

14-17 correct

★ Very Good! Keep practicing!

10-13 correct

💪 Good effort! Review long division!

Below 10

📚 Keep trying! Practice makes perfect!

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