

Grade 4 - Dividing with Remainders - Quiz

Common Core 4.NBT.B.6 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

Choose the best answer for each of the 10 questions about dividing and remainders. Read each question carefully, then check the explanation to learn from any mistake.

Grade 4 · Common Core State Standards: **4.NBT.B.6**

Questions

Question 1

What is $240 \div 6$?

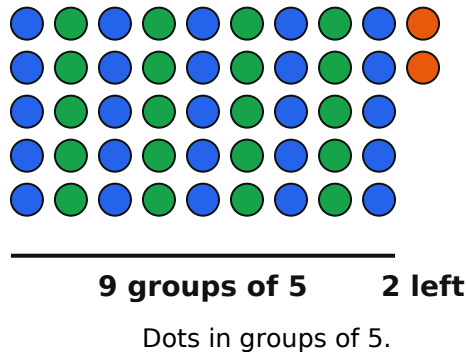
- A. 4
- B. 400
- C. 40
- D. 36

Question 2

What is $85 \div 4$?

- A. 21 R 2
- B. 21 R 1
- C. 20 R 5
- D. 22 R 1

Question 3



Which division sentence does the picture show?

- A. $47 \div 5 = 9 \text{ R } 4$
- B. $47 \div 5 = 2 \text{ R } 9$
- C. $47 \div 5 = 9 \text{ R } 2$
- D. $47 \div 5 = 8 \text{ R } 7$

Question 4

What is $3,612 \div 4$?

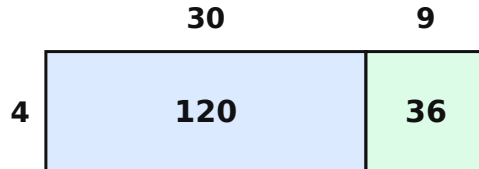
- A. 903
- B. 93
- C. 913
- D. 930

Question 5

Which equation can be used to check that $238 \div 7 = 34$?

- A. $7 + 34 = 238$
- B. $238 \times 7 = 34$
- C. $34 \times 238 = 7$
- D. $7 \times 34 = 238$

Question 6



Area model for $156 \div 4$.

What is $156 \div 4$?

- A. 36
- B. 49
- C. 29
- D. 39

Question 7

Mei has 50 photos. Each album page holds 6 photos. How many pages does she need to hold all the photos?

- A. 8
- B. 9
- C. 7

D. 10

Question 8

Which of these cannot be a remainder when you divide by 6?

- A. 0
- B. 6
- C. 3
- D. 5

Question 9

5 days	?	?	?	?	?
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1,260 miles in 5 equal days.

A family drives 1,260 miles in 5 equal days. How many miles each day?

- A. 252
- B. 255
- C. 1,265
- D. 25

Question 10

Priya buys 4 packs with 125 stickers in each pack. She shares all the stickers equally among 8 friends. How many stickers does each friend get?

- A. 62 stickers with 4 left over
- B. 62 stickers with 8 left over
- C. 63 stickers with 4 left over
- D. 15 stickers with 5 left over

Answers

1. **C** - $24 \text{ tens} \div 6 = 4 \text{ tens}$, which is 40. Check: $40 \times 6 = 240$.
2. **B** - $4 \times 21 = 84$ and $85 - 84 = 1$. A remainder must be less than the divisor, so 20 R 5 is not valid.
3. **C** - There are 9 full groups of 5 and 2 dots left over: $9 \times 5 + 2 = 47$.
4. **A** - $4 \times 900 = 3,600$, and $12 \div 4 = 3$. So the quotient is 903. Skipping the zero in the tens place gives 93.
5. **D** - Multiplication undoes division: $\text{divisor} \times \text{quotient} = \text{dividend}$. So $7 \times 34 = 238$.
6. **D** - The partial quotients are 30 and 9, and $30 + 9 = 39$.
7. **B** - $50 \div 6 = 8 \text{ R } 2$. The 2 extra photos need another page, so Mei needs 9 pages.
8. **B** - A remainder must be less than the divisor. If 6 were left over, you could make another group of 6.
9. **A** - $1,260 \div 5 = 252$ because $5 \times 252 = 1,260$. The number 1,265 comes from adding.
10. **A** - Total: $4 \times 125 = 500$. Then $500 \div 8 = 62 \text{ R } 4$, because $8 \times 62 = 496$.

Remember

- $\text{Dividend} \div \text{divisor} = \text{quotient with a remainder}$; the remainder is less than the divisor.
- Partial quotients: divide easy parts of the dividend and add the results.
- An area model for division starts with the area (dividend) and one side (divisor).
- Check: $\text{quotient} \times \text{divisor} + \text{remainder} = \text{dividend}$.
- Think about the story to decide what to do with a remainder.