



GRADE 4 / WATCH MR DJ SOLVE

MULTISTEP PROBLEMS AND REMAINDERS

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****3 boxes hold 8 pencils each. Add 5 loose pencils. How many pencils are there?**

- 1** Boxes: $3 \times 8 = 24$.
- 2** Add loose pencils: $24 + 5 = 29$.
- 3** The two steps count different parts of the collection.

Answer: **29****REMEMBER** Plan each operation, then interpret a remainder in the context of the question.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.

GRADE 4 / WORKED METHODS**MULTISTEP PROBLEMS AND REMAINDERS**

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Plan two different parts **$3 \times 8 + 5 = 29$ pencils**

1. Three boxes have $3 \times 8 = 24$ pencils.
2. Add five loose pencils: $24 + 5 = 29$.
3. Label the total: 29 pencils.

Count packs, then loose items

$$3 \times 8 = 24$$

$$24 + 5 = 29$$



GRADE 4 / WORKED METHODS

MULTISTEP PROBLEMS AND REMAINDERS

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Decide what the remainder means

29 people need 8 four-seat vans

1. $29 \div 4 = 7$ remainder 1.
2. Seven vans carry only 28 people.
3. One more van is needed, so use 8 vans.



GRADE 4 / PRACTICE

MULTISTEP PROBLEMS AND REMAINDERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

1. 29 students need vans with 6 seats each. How many vans carry EVERY student?

Grid area for working out problem 1.

My answer / conclusion: _____

2. 29 cards are packed 6 per completely FULL packet. How many full packets can be made?

Grid area for working out problem 2.

My answer / conclusion: _____



Date _____

MULTISTEP PROBLEMS AND REMAINDERS

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Medium 3. A club buys 4 packs of 12 tokens. It gives away 9 tokens. How many remain?

My answer / conclusion: _____



GRADE 4 / PRACTICE

MULTISTEP PROBLEMS AND REMAINDERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔊 Medium

4. 3 trays hold 10 muffins each. After 7 are sold, the rest go equally on 1 plates. How many per plate, with leftovers?

Grid area for working out problem 4.

My answer / conclusion: _____

🔊 Medium

5. Write one expression for 3 bags of 8 marbles plus 5 more. Then find its value.

Grid area for working out problem 5.

My answer / conclusion: _____



GRADE 4 / PRACTICE

MULTISTEP PROBLEMS AND REMAINDERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

6. $29 \div 4 = 7$ remainder 1. Give a story whose answer is 7 and another whose answer is 8.

Grid area for student work.

My answer / conclusion: _____



Date _____

MULTISTEP PROBLEMS AND REMAINDERS

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Spicy 7. Digit says any nonzero remainder means “round up.” Give a context that disproves this claim.

My answer / conclusion: _____



GRADE 4 / PRACTICE

MULTISTEP PROBLEMS AND REMAINDERS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. A two-step story uses $4 \times 6 + 3$. Change only its question so subtraction is needed after the multiplication. Write both stories.

Grid area for writing the answer.

My answer / conclusion: _____