

Grade 3 · Two-Step Word Problems and Patterns · Quiz

Common Core 3.OA.D.8, 3.OA.D.9 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

Answer these 10 multiple-choice questions on two-step word problems, estimation, order of operations, and number patterns. Each question has exactly one correct answer. Check your work with an estimate.

Grade 3 Common Core: 3.OA.D.8 · 3.OA.D.9

Questions

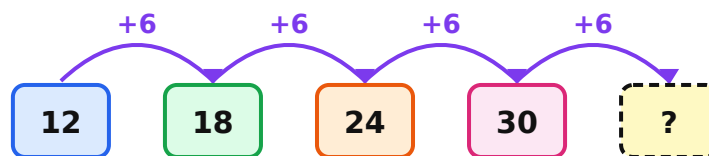
Question 1

What is the value of n in $n + 27 = 63$?

- A. 36
- B. 90
- C. 34
- D. 46

Question 2

What number goes in the blank?



The rule is add 6.

- A. 34
- B. 42
- C. 36
- D. 48

Question 3

What is the value of $3 + 4 \times 2$?

- A. 14

- B. 11
- C. 10
- D. 24

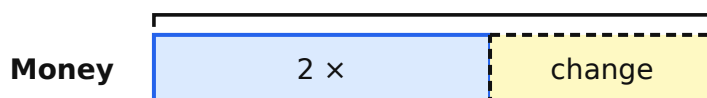
Question 4

Maya has 4 packs with 5 pencils in each pack. She gives 3 pencils to a friend. How many pencils does she have left?

- A. 12 pencils
- B. 23 pencils
- C. 17 pencils
- D. 7 pencils

Question 5

Jamal pays with a bill for 2 sandwiches that cost each. How much change does he get?



The is split into cost and change.

Question 6

Ava puts 36 stickers equally on 4 pages. Then she adds 5 stickers to each page. Which equation finds the number of stickers s on each page?

- A. $s = 36 \div (4 + 5)$
- B. $s = 36 \div 4 + 5$
- C. $s = 36 - 4 + 5$
- D. $s = 36 \times 4 + 5$

Question 7

Estimate $58 + 33$ by rounding each number to the nearest 10.

- A. 80
- B. 90
- C. 100
- D. 91

Question 8

The 4s row of a multiplication table is double the 2s row. Use the table to find 4×6 .

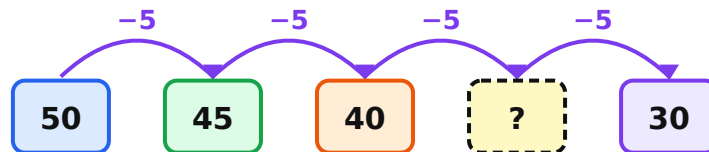
×	1	2	3	4	5	6
2	2	4	6	8	10	12
4	4	8	12	16	20	?

The 2s row and the 4s row.

- A. 16
- B. 18
- C. 22
- D. 24

Question 9

What number goes in the blank?



The rule is subtract 5.

- A. 35
- B. 25
- C. 36
- D. 34

Question 10

Which product is odd?

- A. 2×9
- B. 4×7
- C. 8×5
- D. 3×5

Answer key

1. **A** - Subtract: $63 - 27 = 36$. Adding 27 and 63 gives 90, which is a common mistake.
2. **C** - The rule is add 6, so $30 + 6 = 36$.
3. **B** - Multiply first: $4 \times 2 = 8$. Then $3 + 8 = 11$. Adding first gives 14, which is wrong.
4. **C** - $4 \times 5 = 20$, then $20 - 3 = 17$. Adding the numbers gives 12, which is not what the story says.
5. **C** - $2 \times =$, then $- =$. Subtracting just one gives .
6. **B** - First share equally: $36 \div 4$. Then add 5 to each page. The other equations use the wrong operations or grouping.
7. **B** - 58 rounds to 60 and 33 rounds to 30, so $60 + 30 = 90$. The number 91 is the exact sum, not an estimate.
8. **D** - $2 \times 6 = 12$ and double 12 is 24. So $4 \times 6 = 24$.
9. **A** - The rule is subtract 5, so $40 - 5 = 35$. Check: $35 - 5 = 30$.
10. **D** - $3 \times 5 = 15$, which is odd. A product with an even number as a factor is always even.

Remember:

- A two-step problem needs two operations, such as multiply then subtract.
- Use a letter such as s or c for the unknown number.
- With no parentheses, multiply and divide before you add and subtract.
- Round numbers to estimate and check that an answer is reasonable.
- An arithmetic pattern follows a rule such as add 6 or subtract 9.