

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

Common Core 3.OA.D.8, 3.OA.D.9 · maths-pdf.fr/en/

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

This **two step problems quiz** for 3rd Grade covers two-step word problems and patterns (Common Core 3.OA.D.8, 3.OA.D.9), with a free PDF to print.

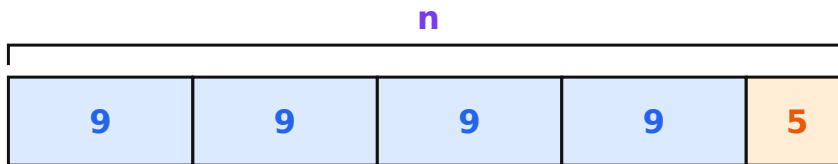
Ten quick questions on two-step word problems, estimation, and number patterns. Pick the one best answer for each question. Draw a tape diagram on scratch paper if it helps, and read the explanation after every answer.

Grade 3 · Common Core State Standards: **3.OA.D.8, 3.OA.D.9**

Two step problems quiz: 10 questions

Questions

Question 1



Four groups of 9 and 5 more.

Which equation matches the tape diagram?

- A. $(4 + 9 + 5 = n)$
- B. $(4 \times 9 + 5 = n)$
- C. $(4 \times 9 - 5 = n)$
- D. $(4 \times 9 \times 5 = n)$

Question 2

Leo has 3 packs with 8 cards in each pack. He gets 6 more cards. How many cards does he have?

- A. 17
- B. 24
- C. 30

D. 18

Question 3

Which is the best estimate for $(48 + 31 + 22)$ when each number is rounded to the nearest ten?

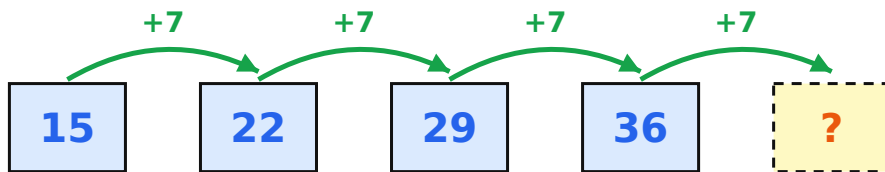
- A. 90
- B. 100
- C. 110
- D. 120

Question 4

Which sum is odd?

- A. $(15 + 8)$
- B. $(14 + 22)$
- C. $(9 + 7)$
- D. $(12 + 18)$

Question 5



What comes next?

What number comes next in the pattern?

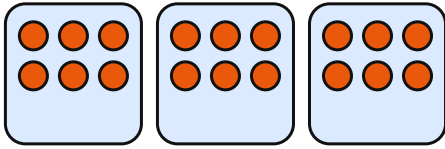
- A. 43
- B. 42
- C. 44
- D. 51

Question 6

Solve $(6 \times 5 + n = 41)$.

- A. 36
- B. 71
- C. 11
- D. 6

Question 7



Three baskets of 6 apples.

Dev has the 3 baskets shown. He gives away 4 apples. How many apples are left?

- A. 14
- B. 22
- C. 18
- D. 24

Question 8

Ana says $(62 + 38 = 130)$. Is she right?

- A. Yes, since about $60 + 70 = 130$
- B. No, since about $60 + 40 = 90$
- C. Yes, since $62 + 38$ is more than 100
- D. No, since about $60 + 40 = 100$

Question 9

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

Multiples of 5 are shaded.

Which statement is true about the shaded numbers?

- A. Every shaded number is even
- B. Every shaded number is odd
- C. Every shaded number ends in 5
- D. Every shaded number ends in 0 or 5

Question 10

Sofia has 54 beads. She puts them equally on 6 bracelets and then adds 3 beads to each bracelet. How many beads are on each bracelet?

- A. 9
- B. 12

C. 18

D. 51

Answers

1. **B** - There are 4 equal parts of 9, and 5 more are added. A common mistake is adding every number.
2. **C** - $3 \times 8 = 24$, then $24 + 6 = 30$. The answer 24 forgets the second step.
3. **B** - 48 rounds to 50, 31 rounds to 30, and 22 rounds to 20. Then $50 + 30 + 20 = 100$.
4. **A** - $15 + 8 = 23$, which is odd. The other sums are 36, 16, and 30, and they are all even.
5. **A** - Each number is 7 more than the one before, so $36 + 7 = 43$.
6. **C** - $6 \times 5 = 30$, and $41 - 30 = 11$. Subtracting only 5 from 41 gives 36.
7. **A** - $3 \times 6 = 18$, and $18 - 4 = 14$. The answer 22 adds instead of subtracts.
8. **D** - Rounding gives $60 + 40 = 100$. Her answer is far from 100, so it is not reasonable. The exact sum is 100.
9. **D** - The multiples of 5 end in 5, 0, 5, 0, and so on. Some are odd (5, 15, 25) and some are even (10, 20, 30).
10. **B** - $54 \div 6 = 9$, and $9 + 3 = 12$. The answer 9 stops after the first step.

Remember

Remember

- A two-step problem has a hidden question that is solved first.
- A letter such as m stands for the unknown number in an equation.
- Rounding to the nearest 10 gives a quick estimate to check an answer.
- An arithmetic pattern follows a rule such as add 7 each time.
- Odd + odd = even, even + even = even, even + odd = odd.

How to use this two step problems quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

Download the two step problems quiz as a PDF with the button below and keep it with your notes.

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