Year 3 maths: Multi-step word problems (Medium)

Maths · Number
Level: Medium

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. Tess has 14 marbles. Sid has 3 fewer than Tess. Ruby has 5 more than Sid. How many marbles does Ruby have?

Answer: ☐ marbles

Working:

2. Cy has 13 pencils. Bo has 4 fewer than Cy. Ali has double what Bo has. How many pencils does Ali have?

Circle one answer.

○ **A** 26 ○ **B** 9 ○ **C** 34 ○ **D** 18

3. Two dozen cupcakes were made. 7 were eaten at lunch. How many are left?

Circle one answer.

○ **A** 31 ○ **B** 13 ○ **C** 24 ○ **D** 17

4. How many pencils are in 7 dozen?

Answer: ☐ pencils

Working:

5. Jada has 5 packets with 6 stickers in each, and 2 loose stickers. Which number sentence gives her stickers?

Circle one answer.

○ **A** 5 × 8 ○ **B** 5 × 6 × 2 ○ **C** 5 + 6 + 2 ○ **D** 5 × 6 + 2

6. Ella's age and Max's age add up to 18. Max was 4 when Ella was born. How old is Ella now?

Circle one answer.

○ **A** 14 ○ **B** 9 ○ **C** 11 ○ **D** 7

7. Zac has 20 marbles. Amy has 4 fewer than Zac. Ben has 3 more than Zac. How many marbles do they have altogether?

Circle one answer.

○ **A** 39 ○ **B** 27 ○ **C** 59 ○ **D** 67

8. Children line up for the canteen. Mei is 5th in line. There are 6 children between Mei and the last child, Sam. How many children are in the line?

Circle one answer.

○ **A** 11 ○ **B** 12 ○ **C** 13 ○ **D** 7

9. A crate of apples and a crate of pears weigh 50 kg together. The apples weigh four times as much as the pears. How heavy are the pears?

Circle one answer.

○ **A** 25 kg ○ **B** 50 kg ○ **C** 10 kg ○ **D** 40 kg

10. 60 people went on a bus trip: adults, children and drivers. There were 4 drivers and 5 times as many children as drivers. How many adults went?

Circle one answer.

○ **A** 47 ○ **B** 56 ○ **C** 24 ○ **D** 36

Answer key

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1. 16 marbles
Tess: 14. Sid: 14 − 3 = 11. Ruby: 11 + 5 = 16.

2. D — 18
Cy: 13. Bo: 13 − 4 = 9. Ali: double 9 = 18.

3. D — 17
2 dozen = 24. 24 − 7 = 17.

4. 84 pencils
7 × 12 = 70 + 14 = 84.

5. D — 5 × 6 + 2
5 packets of 6 is 5 × 6 = 30. Add the 2 loose ones: 32.

6. D — 7
Max is 4 years older. 18 − 4 = 14, and half of 14 is 7, so Ella is 7.

7. C — 59
Amy: 20 − 4 = 16. Ben: 20 + 3 = 23. 20 + 16 + 23 = 59.

8. B — 12
5 children up to Mei, 6 between, and Sam: 5 + 6 + 1 = 12.

9. C — 10 kg
Pears 1 part, apples 4 parts: 5 parts = 50 kg. 1 part = 10 kg. Pears 10 kg, apples 40 kg.

10. D — 36
Children: 5 × 4 = 20. Adults: 60 − 4 − 20 = 36.