Year 2 maths: Equal groups and × (Hard)

Maths · Number
Level: Hard

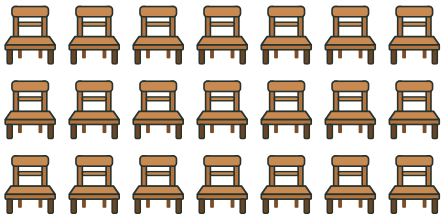
Student: _____ Date: _____

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. The chairs are set out in rows. How many chairs are there?

Answer: ☐ chairs



Working:

2. Ruby has 3 boxes with 4 cupcakes in each. Her nana brings 2 more boxes of 4. How many cupcakes are there now?

Answer: ☐ cupcakes

Working:

3. 4 + 4 + 4 + 4 + 4 = ? × 4. What is the missing number?

Answer: ☐

Working:

4. 24 children stand in rows of 6 for a photo. How many rows are there?

Answer: ☐ rows

Working:

5. Double a number is 18. What is the number?

Answer: ☐

Working:

6. Which is bigger: double 16, or 3 groups of 10?

Circle one answer.

○ **A** They are the same ○ **B** 3 groups of 10

○ **C** Double 16

7. Ava has 7 bags with 5 apples in each. Josh has 5 bags and the same number of apples as Ava. How many apples are in each of Josh's bags?

Answer: ☐ apples

Working:

8. Kiri has 12 cards. Jo has twice as many cards as Kiri. How many more cards does Jo have than Kiri?

Answer: ☐ more

Working:

9. A café puts 13 muffins on each of 3 trays. How many muffins are there?

Answer: ☐ muffins

Working:

10. Which way finds 4 groups of 24?

Circle one answer.

○ **A** 24 + 4 = 28

○ **B** 4 groups of 4 is 16, and 2 tens more makes 36.

○ **C** 24 + 24 = 48

○ **D** Double 24 is 48, and double 48 is 96.

Answer key

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1. 21 chairs

3 rows of 7 is 3 × 7. Count by 7s: 7, 14, 21.

2. 20 cupcakes

3 boxes and 2 boxes is 5 boxes of 4. 5 × 4 = 20.

3. 5

4 is added 5 times, so it is 5 groups of 4: 5 × 4 = 20.

4. 4 rows

Count by 6s until you reach 24: 6, 12, 18, 24. That is 4 rows.

5. 9

Which number added to itself makes 18? 9 + 9 = 18, so the number is 9.

6. C — Double 16

Double 16 is 16 + 16 = 32. 3 groups of 10 is 10 + 10 + 10 = 30. 32 is bigger.

7. 7 apples

7 groups of 5 = 5 groups of 7. Both make 35, so Josh has 7 in each bag.

8. 12 more

Jo has double 12, which is 24. 24 − 12 = 12 more.

9. 39 muffins

3 groups of 13: the tens make 10 + 10 + 10 = 30, and the ones make 3 + 3 + 3 = 9. 30 + 9 = 39.

10. D — Double 24 is 48, and double 48 is 96.

4 groups is double, then double again: 24 + 24 = 48, and 48 + 48 = 96. So 4 × 24 = 96.