Year 4 maths: Multiples and common multiples (Medium)

Maths · Number
Level: Medium

Student: _____ Date: _____

Instructions
- There are 8 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. Which number is a multiple of both 3 and 5?

Circle one answer.

○ **A** 8 ○ **B** 35 ○ **C** 30 ○ **D** 33

2. A bus leaves every 4 minutes and a tram every 6 minutes. They leave together now. In how many minutes will they next leave together?

Answer: ☐ minutes

Working:

3. What is the 8th multiple of 7?

Answer: ☐

Working:

4. What is the total of the multiples of 4 between 8 and 24?

Circle one answer.

○ **A** 48 ○ **B** 3 ○ **C** 80 ○ **D** 36

5. What is the total of the multiples of 7 between 10 and 30? Answer: ☐

Working:

6. What is the product of the even numbers between 8 and 14?

Circle one answer.

○ **A** 22 ○ **B** 960 ○ **C** 110 ○ **D** 120

7. What is the first number after 50 that is a multiple of both 5 and 6?

Circle one answer.

○ **A** 66 ○ **B** 54 ○ **C** 55 ○ **D** 60

8. Which number is NOT a multiple of 4?

Circle one answer.

○ **A** 28 ○ **B** 40 ○ **C** 16 ○ **D** 34

Answer key

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1. C — 30

30 = 3 × 10 = 5 × 6. 35 is not a multiple of 3; 33 is not a multiple of 5.

2. 12 minutes

Bus: 4, 8, 12. Tram: 6, 12. First time in both: 12 minutes.

3. 56

7 × 8 = 56.

4. A — 48

Between 8 and 24: 12, 16, 20. 12 + 16 + 20 = 48. 8 and 24 are not between.

5. 63

The multiples of 7 between 10 and 30 are 14, 21, 28. 14 + 21 + 28 = 63.

6. D — 120

Between 8 and 14 the even numbers are 10 and 12. 10 × 12 = 120.

7. D — 60

Multiples of both 5 and 6 go up in 30s: 30, 60. The first after 50 is 60.

8. D — 34

Count in 4s: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40. 34 is not there (32 + 4 = 36).