Year 3 maths: Multiplication and division facts (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. What is 3 × 9?

Answer: ☐

Working:

2. What is 4 × 7?

Answer: ☐

Working:

3. What is 9 × 5?

Answer: ☐

Working:

4. 2 × 10 = 20. What is 4 × 10?

Circle one answer.

○ **A** 22 ○ **B** 80 ○ **C** 20 ○ **D** 40

5. 10 × 8 = 80. Use it to find 5 × 8.

Answer: ☐

Working:

6. 5 × ? = 50. What is the missing number?

Answer: ☐

Working:

7. Work out 5 × 16. Split 16 into 10 and 6.

Answer: ☐

Working:

8. 4 × 12 = 48. Use this fact to find 48 ÷ 4.

Answer: ☐

Working:

9. Sienna buys 3 cricket balls. Each ball costs $14. How many dollars does she spend?

Answer: ☐ dollars

Working:

10. $35 is shared equally between 5 cousins. Which number sentence finds how much each cousin gets?

Circle one answer.

○ **A** 35 × 5 = 175 ○ **B** 35 − 5 = 30 ○ **C** 35 ÷ 5 = 7

Answer key

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1. 27

Count by 3s: 3, 6, 9, 12, 15, 18, 21, 24, 27. So 3 × 9 = 27.

2. 28

Double 7 is 14, and double 14 is 28. So 4 × 7 = 28.

3. 45

Count by 5s: 5, 10, 15, 20, 25, 30, 35, 40, 45. So 9 × 5 = 45.

4. D — 40

4 is double 2, so 4 × 10 is double 2 × 10. Double 20 is 40. So 4 × 10 = 40.

5. 40

5 is half of 10, so 5 × 8 is half of 10 × 8. Half of 80 is 40. So 5 × 8 = 40.

6. 10

5 × 10 = 50. You can also divide: 50 ÷ 5 = 10.

7. 80

16 is 10 + 6. 5 × 10 = 50 and 5 × 6 = 30. 50 + 30 = 80, so 5 × 16 = 80.

8. 12

Division undoes multiplication: 4 × 12 = 48, so 48 ÷ 4 = 12.

9. 42 dollars

14 is 10 + 4. 3 × 10 = 30 and 3 × 4 = 12. 30 + 12 = 42, so 3 × 14 = 42.

10. C — 35 ÷ 5 = 7

The total, 35, is split into equal groups, so it is a division: 35 ÷ 5 = 7.