Year 4 maths: Division facts, sharing and grouping (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 72 ÷ 8?

Answer: ☐

Working:

2. What is 42 ÷ 6?

Answer: ☐

Working:

3. ? ÷ 9 = 6. What is the missing number?

Answer: ☐

Working:

4. ? ÷ 7 = 8. What is the missing number?

Answer: ☐

Working:

5. 9 × 6 = 54. Which division is in the same fact family?

Circle one answer.

9	6	54

○ **A** 9 ÷ 54 = 6

○ **B** 54 ÷ 9 = 6

○ **C** 54 − 9 = 45

○ **D** 54 × 9 = 486

6. 8 × 7 = 56. Use this fact to find 56 ÷ 8.

Answer: ☐

Working:

7. 72 stars are put in 9 equal rows. How many stars are in each row?

Answer: ☐

Working:

8. A farmer plants 70 trees in 7 equal rows. How many trees are in each row?

Answer: ☐ trees

Working:

9. Is 63 ÷ 9 = 6 right?

Circle one answer.

○ **A** No, 63 ÷ 9 = 7

○ **B** Yes, 63 ÷ 9 = 6

10. Jai shares 40 footy cards between 4 friends. They get 12, 10, 8 and 10. Is this an equal share?

Circle one answer.

○ **A** Yes, it is equal

○ **B** No. Each friend should get 10

○ **C** No. Each friend should get 4

Answer key

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1. 9

Think of the times fact: 8 × 9 = 72. So 72 ÷ 8 = 9.

2. 7

Think of the times fact: 6 × 7 = 42. So 42 ÷ 6 = 7.

3. 54

Division undoes multiplication: 6 × 9 = 54, so 54 ÷ 9 = 6.

4. 56

Division undoes multiplication: 8 × 7 = 56, so 56 ÷ 7 = 8.

5. B — 54 ÷ 9 = 6

A fact family uses the same three numbers, 9, 6 and 54. The biggest number is divided: 54 ÷ 9 = 6 and 54 ÷ 6 = 9.

6. 7

Division undoes multiplication. 8 × 7 = 56, so 56 ÷ 8 = 7.

7. 8

72 ÷ 9 = 8, because 9 × 8 = 72.

8. 10 trees

70 ÷ 7 = 10. Check: 10 × 7 = 70.

9. A — No, 63 ÷ 9 = 7

Check with multiplication: 9 × 6 = 54, not 63. 9 × 7 = 63, so 63 ÷ 9 = 7.

10. B — No. Each friend should get 10

The friends got different amounts, so it is not equal. 40 ÷ 4 = 10, so each friend should get 10.