25SCHOOLS
FREE LEARNING NOTES FOR ZAMBIA

GRADE 2 · TERM 2

Mathematics

Division

Lesson notes for learners · Competence-Based Curriculum

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Division means sharing things equally. It teaches us to be fair when we share. In this note you will share beans and sweets equally and learn how division is linked to multiplication. Use beans or bottle tops to feel each step.

AFTER THESE NOTES YOU SHOULD BE ABLE TO

- Say that division is equal sharing and repeated subtraction
- Write division sentences with the division sign
- Divide small numbers without anything left over
- Link division to multiplication

KEY WORDS

Division	Sharing things equally.
Equal sharing	Giving each group the same number.
Repeated subtraction	Taking away the same number again and again.

1 Sharing equally

Put 12 beans on the table. Share them equally among 3 containers. Feel and count the beans in each container. Each container has 4 beans.

You have 15 sweets and share them equally among 5 friends. Each friend gets 3 sweets. We write this as 15 divided by 5 is 3.

The sign for division looks like a line with a dot above and a dot below. A raised card lets you feel its shape.

Things	Groups	Each group gets
12 beans	3 containers	4
15 sweets	5 friends	3
8 counters	2 friends	4

Figure 1. Sharing equally

2 Taking away again and again

Start with 12 beans. Take away groups of 3 until none are left. Count each step aloud. You can take away 4 groups, so 12 divided by 3 is 4.

Start with 10 sticks. Take away groups of 2 until none remain. 10 divided by 2 is 5.

Division is both sharing equally and taking away again and again.

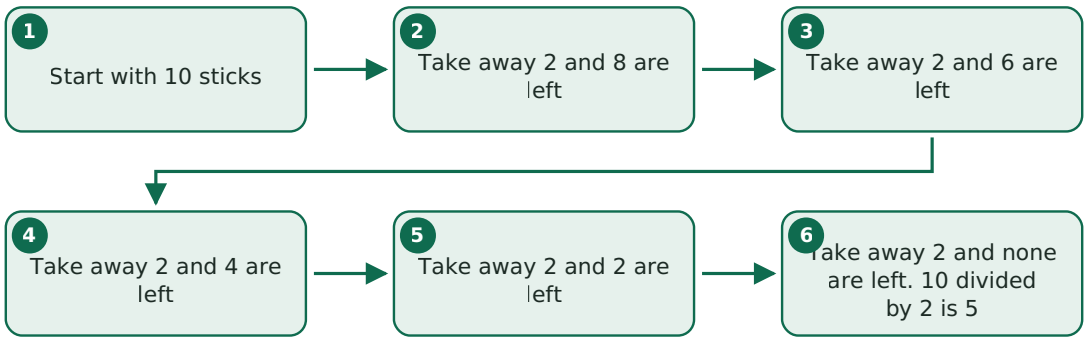


Figure 2. Taking away groups of 2 from 10 sticks

3 Division and multiplication

Make 4 groups of 6 beans. There are 24 beans. So 4 times 6 is 24.

Now share the 24 beans into 4 groups. Each group has 6. So 24 divided by 4 is 6. Share the 24 beans into 6 groups. Each group has 4. So 24 divided by 6 is 4.

Try 3 groups of 5 beans to make 15. Then 15 divided by 3 is 5. Also 20 divided by 4 is 5, and 4 times 5 is 20.

TRY THIS

Take 12 stones. Share them equally among 3 cups. Say the division sentence. Then take away groups of 3 and count how many groups you took.

REMEMBER

- Division means sharing equally
- Division is also taking away the same number again and again
- The sign for division is a line with a dot above and below
- Division and multiplication are linked
- 4 times 6 is 24, so 24 divided by 4 is 6

? Check yourself

1. What does division mean.
2. What is 10 divided by 2.
3. If 4 times 6 is 24, what is 24 divided by 4.
4. What is 6 divided by 2.
5. Mulenga has 15 sweets to share equally among 5 friends. His teacher asks him to find how many each friend gets. (a) What is the division sentence. (b) How many does each friend get. (c) What would we do to check using multiplication.
6. Chanda has 12 counters and takes away groups of 4 until none are left. Her friend counts the steps. (a) How many groups of 4 does she take away. (b) What is the division sentence. (c) Which multiplication sentence goes with it.

ANSWERS

1. Sharing things equally.
2. 5.
3. 6.
4. 3.
5. (a) 15 divided by 5. (b) 3. (c) Multiply 5 times 3 to get 15.
6. (a) 3. (b) 12 divided by 4 is 3. (c) 3 times 4 is 12.

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