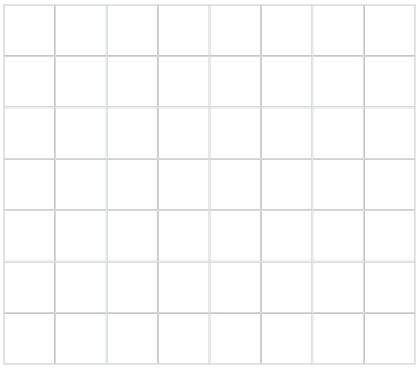
Year 3 - Division by Partitioning — Lesson Guide

Step 1

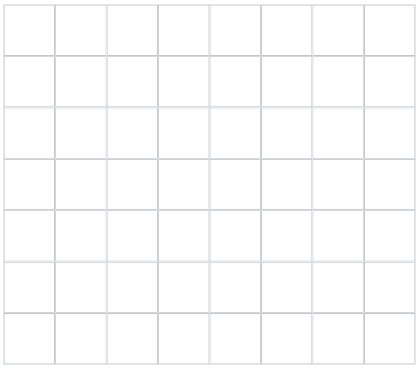
$72 \div 3 =$ ☐



First, we circle the division sign so we know to divide the whole amount.

Step 2

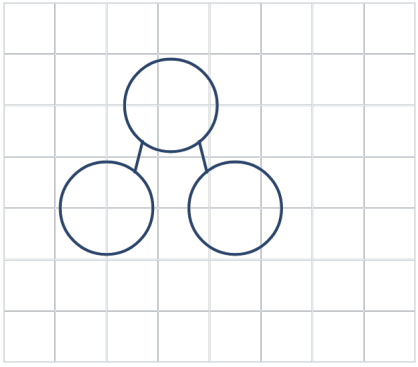
$72 \div 3 =$ ☐



We are sharing 72 equally into 3 groups to find the amount in each group. Split 72 into two parts that both divide exactly by 3.

Step 3

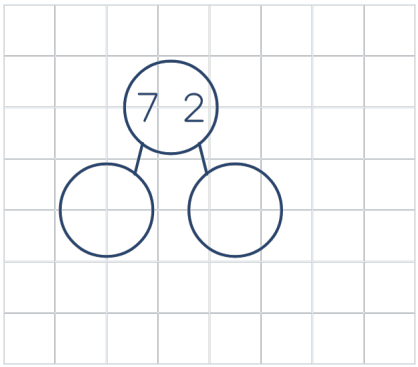
$72 \div 3 =$ ☐



A part–whole model helps us see how two parts make a whole. We draw a circle at the top for the whole and two circles below for the parts.

Step 4

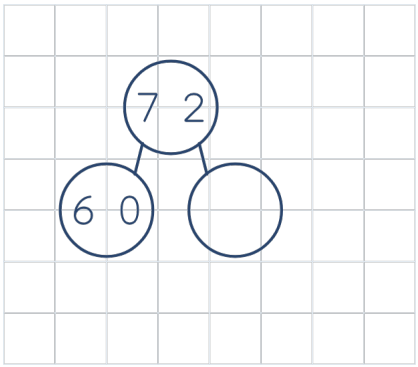
72 ÷ 3 = ☐



We write 72 in the whole circle. We will keep both parts together equal to this whole.

Step 5

72 ÷ 3 = ☐

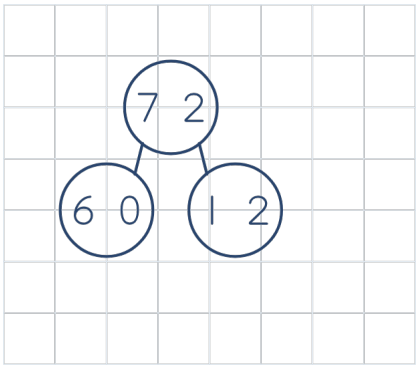


Remember: Both parts must divide exactly by 3.

Start with the 7 tens in 72. Each of the 3 groups can get 2 tens. That uses 6 tens altogether. There is 1 ten left. We need 3 tens to give one more ten to each group. Write 60 in the left circle.

Step 6

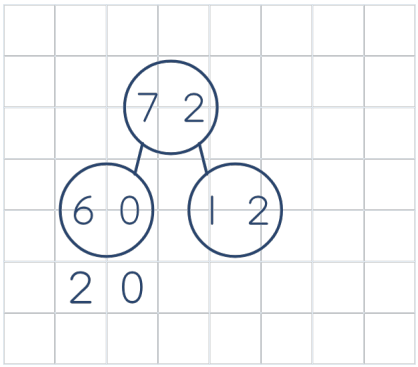
72 ÷ 3 = ☐



Next, we find how much is left. 72 – 60 = 12. We have 1 ten left. We exchange it for 10 ones. 10 ones and 2 ones make 12 ones. We write 12 in the other part. 60 + 12 = 72, so the parts still make the whole.

Step 7

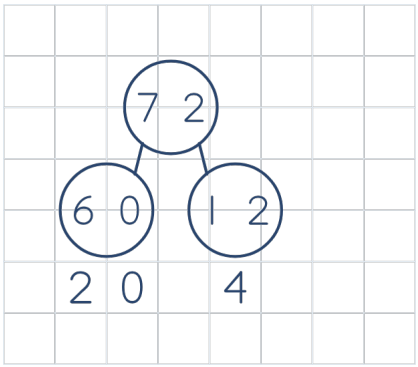
72 ÷ 3 = ☐



Share the 6 tens from the left circle equally into 3 groups. Each group gets 2 tens. 60 ÷ 3 = 20. Write 20 below the left circle.

Step 8

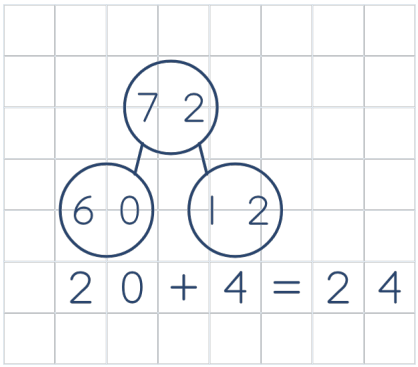
72 ÷ 3 = ☐



Share the 12 ones from the right circle equally into the same 3 groups. Each group gets 4 ones. 12 ÷ 3 = 4. Write 4 below the right circle.

Step 9

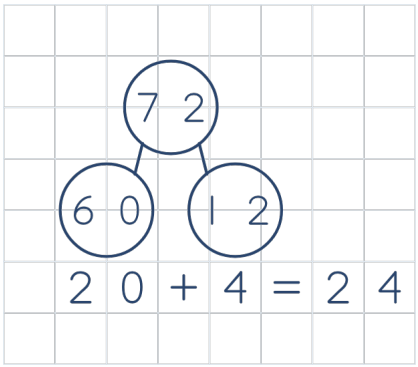
72 ÷ 3 = ☐



Each group gets 20 from the first part and 4 from the second part. 20 + 4 = 24. Each of the 3 groups gets 24.

Step 10

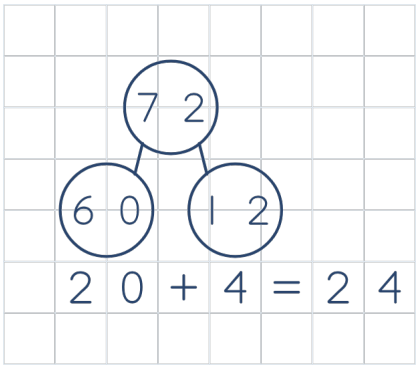
72 ÷ 3 = ☐



Check that 60 and 12 make the whole, 72. Then check the amount in one group. It gets 20 from 60 and 4 from 12. That makes 24 in each of the 3 groups.

Step 11

72 ÷ 3 = **24**



The quotient is 24. Copy 24 into the answer box. Make sure you copy the answer correctly.