Year 3 - Finding Fractions of Amounts (Non-unit) — Lesson Guide

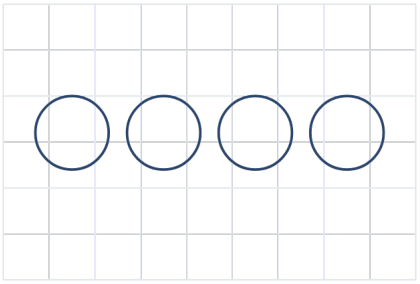
Step 1

Find $\frac{3}{4}$ of 12 = ☐

3/4 means we want 3 out of 4 equal parts. The denominator, 4, tells us how many equal parts make the whole. The numerator, 3, tells us how many of those parts we want.

Step 2

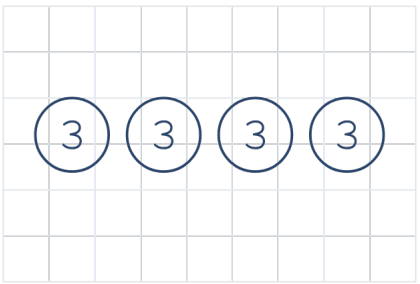
Find $\frac{3}{4}$ ✓ of 12 = ☐



Circles help us show the equal parts. We draw 4 circles of the same size, one for each part. Then, we tick the denominator, 4, because we have drawn that many equal parts.

Step 3

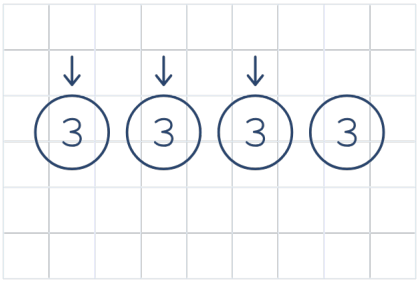
Find $\frac{3}{4}$ ✓ of 12 ✓ = ☐



Next, we share the whole amount equally between the circles. 12 ÷ 4 = 3. We write 3 in every circle. Each circle holds one equal part. Then, we tick the whole amount, 12, because we have shared all of it.

Step 4

Find $\frac{3}{4}$ of 12 = ☐

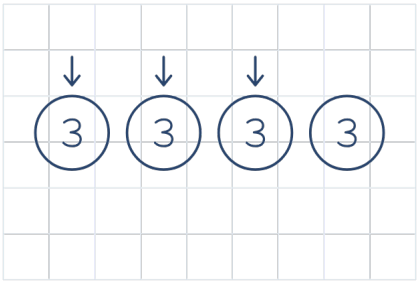


Remember: One arrow goes to each chosen circle. Use the amounts in the circles to find the answer.

The numerator, which is 3, tells us to choose 3 equal parts. Draw one arrow to each of 3 different circles. Count the 3 arrows. Tick the numerator, 3.

Step 5

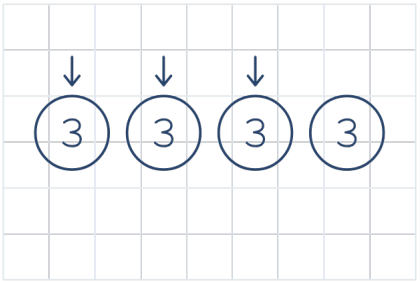
Find $\frac{3}{4}$ of 12 = ☐



Each selected circle contains 3. We selected 3 circles, so we have 3 lots of 3. 3 × 3 = 9. So 3 quarters of 12 is 9.

Step 6

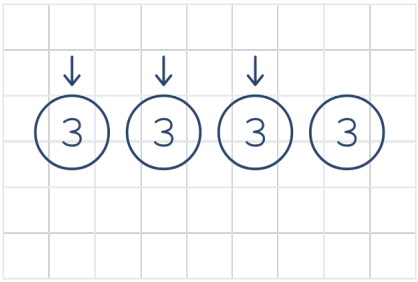
Find $\frac{3}{4}$ of 12 = ☐



Check the denominator. There are 4 equal groups. Check the whole amount. 4 groups of 3 make 12. Check the numerator. 3 circles have arrows. The chosen parts give 9.

Step 7

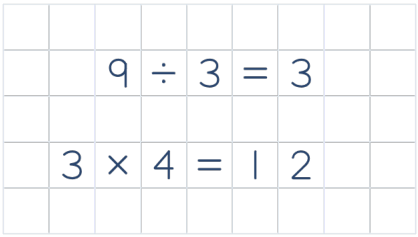
Find $\frac{3}{4}$ of 12 = **9**



The fraction amount is 9. Copy 9 into the answer box. Make sure you copy the answer correctly.

Step 8

Find $\frac{3}{4}$ of 12 = **9**



Divide 9 by the numerator, 3, to get one equal part. 9 ÷ 3 = 3. Multiply 3 by the denominator, 4, to put the equal parts back together. 3 × 4 = 12. We got back to the original whole amount, 12. That checks our answer of 9.