Year 2 - Finding Fractions of Amounts (Non-unit) — Lesson Guide

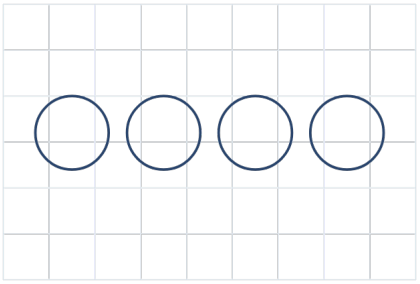
Step 1

Find $\frac{3}{4}$ of 12 = ☐

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

Step 2

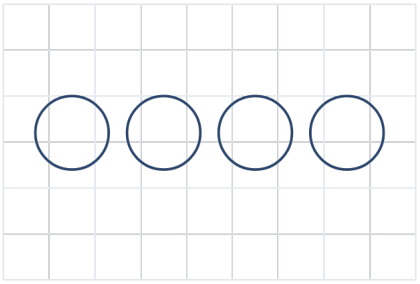
Find $\frac{3}{4}$ of 12 = ☐



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

Step 3

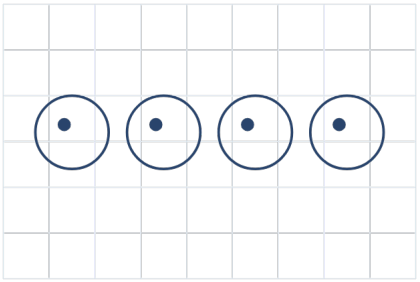
Find $\frac{3}{4}$ of 12 = ☐



Next, we share 12 equally between the circles, using the same method as division. Each circle must hold the same amount.

Step 4

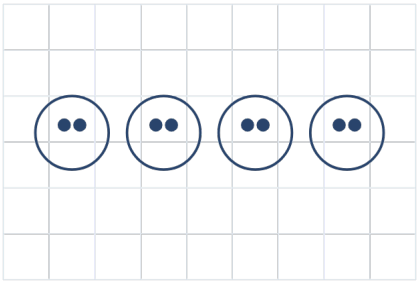
Find $\frac{3}{4}$ of 12 = ☐



Give one counter to each group in turn. Use the same neat rows in each circle. Each counter is worth 1. We have shared 4 altogether. Each circle now has 1 counter.

Step 5

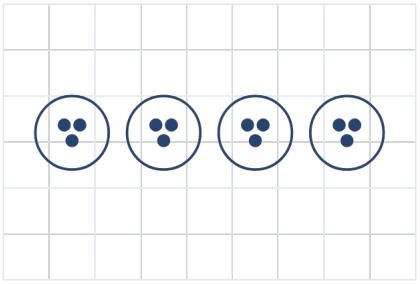
Find $\frac{3}{4}$ of 12 = ☐



Next, we put one more counter in every circle. We have shared 8 altogether. Each circle now has 2 counters.

Step 6

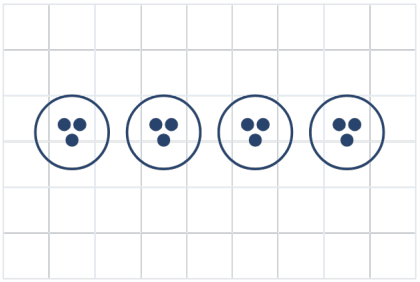
Find $\frac{3}{4}$ of 12 = ☐



Next, we put one more counter in every circle. We have shared 12 altogether. Each circle now has 3 counters.

Step 7

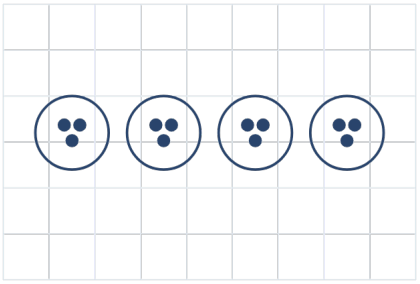
Find $\frac{3}{4}$ of 12 = ☐



Now, we check that every circle holds the same amount. Each has 3 ones, which is 3. 4 equal groups of 3 make 12, so we have shared the whole amount.

Step 8

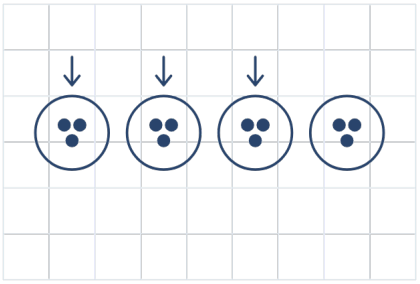
Find $\frac{3}{4}$ of 12 = ☐



We have shared the whole amount, 12, equally. Now, we tick 12 to show that we have used all of it.

Step 9

Find $\frac{3}{4}$ of 12 = ☐

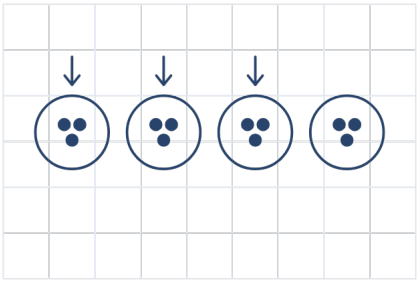


Remember: One arrow goes to each chosen circle. Use the amounts in the circles to find the answer.

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 10

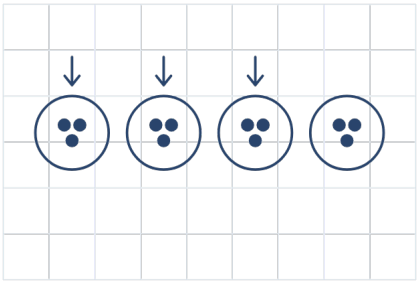
Find $\frac{3}{4}$ of 12 = ☐



Add the amounts in the circles with arrows. 3 + 3 + 3 = 9. So 3/4 of 12 is 9.

Step 11

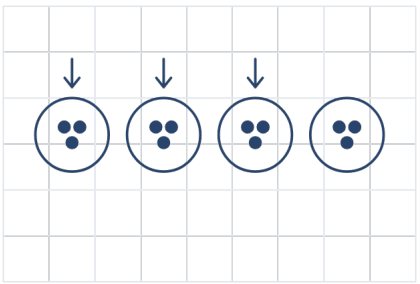
Find $\frac{3}{4}$ of 12 = ☐



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 12

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.