Counting in tenths: answers and notes

What your child practised: counting up and down in tenths, seeing that 10 tenths make 1 whole, and finding one tenth of a number by sharing it into 10 (Year 3).

Page 1 · Warm up

$\frac{3}{10}$, $\frac{4}{10}$, $\frac{5}{10}$, $\frac{6}{10}$. $\frac{9}{10}$, $\frac{8}{10}$, $\frac{7}{10}$, $\frac{6}{10}$

Page 2 · Try it together

One tenth of 20 = **2** · of 30 = **3** · of 40 = **4**

Page 2 · A. Number line

0, $\frac{1}{10}$, $\frac{2}{10}$, $\frac{3}{10}$, $\frac{4}{10}$, $\frac{5}{10}$, $\frac{6}{10}$, $\frac{7}{10}$, $\frac{8}{10}$, $\frac{9}{10}$, **1** (the last one is $\frac{10}{10}$ or 1)

Page 3 · B. Count up or down

$\frac{2}{10}$, $\frac{3}{10}$, $\frac{4}{10}$, $\frac{5}{10}$, $\frac{6}{10}$
$\frac{8}{10}$, $\frac{7}{10}$, $\frac{6}{10}$, $\frac{5}{10}$, $\frac{4}{10}$
$\frac{5}{10}$, $\frac{6}{10}$, $\frac{7}{10}$, $\frac{8}{10}$, $\frac{9}{10}$
1, $\frac{9}{10}$, $\frac{8}{10}$, $\frac{7}{10}$, $\frac{6}{10}$

Page 3 · C. One tenth

$\frac{1}{10}$ of 20 = **2** · $\frac{1}{10}$ of 50 = **5** · $\frac{1}{10}$ of 70 = **7** · $\frac{1}{10}$ of 100 = **10**

Page 3 · D. Shaded

$\frac{3}{10}$ · $\frac{7}{10}$ · $\frac{10}{10}$ (one whole)

Challenge: No. Leo counted **up**. Counting down goes back towards 0: $\frac{6}{10}$, $\frac{5}{10}$, $\frac{4}{10}$.

Watch out for

- **Counting the wrong way**, up instead of down. Point along the number line: down means towards 0.
- **Not knowing what comes after** $\frac{9}{10}$. It's $\frac{10}{10}$, which is one whole.

Going further (5 minutes, no paper)

- **Tenths chant:** count up to 1 in tenths, then back down to 0.
- **Ten piles:** ask "What is one tenth of 60?" Your child can picture sharing into 10 piles.
- **In the game:** Chapter 4, Big Slice Contest, compares fractions on a fraction wall.