

Y3 Tenths

KS2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

A pizza is cut into 10 equal slices. Kai eats 3. What fraction does he eat?

Step 1 · The whole is cut into 10 equal parts

Each part is one tenth, $\frac{1}{10}$

Step 2 · Kai eats 3 of those parts

3 tenths

Answer: Kai eats $\frac{3}{10}$ of the pizza

Check: $\frac{7}{10}$ is left, and $\frac{3}{10} + \frac{7}{10} = \frac{10}{10} = 1$ whole pizza.

2. Now try one with the steps

Count on in tenths from $\frac{5}{10}$ to 1.

Step 1 · Add one tenth each time

Step 2 · Ten tenths make a whole

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. A bar is split into 10 equal parts. What fraction is one part?

2. 4 parts out of 10 equal parts are shaded. What fraction is shaded?

3. Count on in tenths: $\frac{2}{10}$, $\frac{3}{10}$, $\frac{4}{10}$, __. What comes next?

4. Count back in tenths: $\frac{9}{10}$, $\frac{8}{10}$, $\frac{7}{10}$, __. What comes next?

5. How many tenths make one whole?

6. Write seven tenths fraction.

7. $\frac{6}{10}$ of a cake has been eaten. What fraction is left?

8. What is $\frac{1}{10}$ of 50?

9. What is $3 \div 10$? Write your answer fraction.

10. What is $\frac{1}{10}$ of 90 cm?

11. What is $\frac{3}{10}$ of 20?

12. Find the missing tenths: $\frac{4}{10} + \underline{\quad} = 1$

13. A 10-lap race: Nia has run 8 laps. What fraction of the race is left to run?

14. Which is greater: $\frac{3}{10}$ or $\frac{8}{10}$?

4. Before you hand it in

Counting $\frac{8}{10}$, $\frac{9}{10}$, $\frac{10}{10}$, $\frac{11}{10}$... without noticing the whole.

When you reach 10 tenths, say "one whole". Ten tenths make 1.

Calling any piece a tenth when a shape is cut into 10 pieces of different sizes.

Tenths are 10 EQUAL parts of a whole.

Thinking $3 \div 10 = 30$.

Dividing by 10 makes each share smaller: $3 \div 10 = 3/10$, less than 1 whole each.

Thinking a tenth is bigger than a half because 10 is bigger than 2.

Cut a strip into 2 and another into 10. Compare one piece of each.