

Y4 Fractions of Amounts

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Find $\frac{1}{4}$ of 32.

Step 1 · Finding a quarter means dividing by 4

$$32 \div 4$$

Step 2 · Use the 4 times table

$$= 8$$

Answer: $\frac{1}{4}$ of 32 = 8

Check: 4 lots of 8 = 32 ✓

2. Now try one with the steps

Find $\frac{3}{5}$ of 40.

Step 1 · Find $\frac{1}{5}$: divide by the denominator

Step 2 · Find $\frac{3}{5}$: multiply by the numerator

Answer:

3. Practice

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

1. Find $\frac{1}{2}$ of 18.

2. Find $\frac{1}{3}$ of 27.

3. Find $\frac{1}{5}$ of 45.

4. Find $\frac{1}{8}$ of 64.

5. Find $\frac{2}{3}$ of 21.

6. Find $\frac{3}{4}$ of 28.

7. Find $\frac{1}{10}$ of 120.

8. Find $\frac{2}{5}$ of 35.

9. Find $\frac{5}{6}$ of 48.

10. Find $\frac{3}{8}$ of 72.

11. A bag has 60 sweets. Jaya eats $\frac{3}{10}$ of them. How many sweets does she eat?

12. A film lasts 120 minutes. Tom watches $\frac{3}{4}$ of it. How many minutes has he watched?

13. $\frac{1}{4}$ of a number is 9. What is the number?

14. A rope is 80 cm long. $\frac{2}{5}$ of it is cut off. How long is the piece that is left?

4. Before you hand it in

$\frac{3}{4}$ of 28 = $28 \div 4 \times 3$ = 21.

Divide by the denominator (the number of equal parts), then multiply by the numerator: $28 \div 4 \times 3 = 21$.

$\frac{2}{5}$ of 35 = 7.

7 is $\frac{1}{5}$. You need 2 of those parts: $2 \times 7 = 14$.

$\frac{1}{4}$ of a number is 9, so the number is 9×4 .

If one part is 9 and there are 4 equal parts, the whole is $4 \times 9 = 36$. Draw the bar.

Answering 'how much is left?' with the part that was cut off.

Check what the question asks. $80 \text{ cm} - 32 \text{ cm} = 48 \text{ cm}$ is left.