

Fractions of an Amount

Practice Worksheet (Foundation Tier)

I DO

Work out $\frac{3}{7}$ of 42.

WE DO

Work out $\frac{4}{9}$ of 45.

YOU DO 1

Work out $\frac{2}{5}$ of 35.

YOU DO 2

Work out $\frac{5}{8}$ of 72.

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CHALLENGE

In a school of 480 students, $\frac{3}{8}$ of the students are boys.

How many girls are there in the school?

PRACTICE PERFECT

Work out the following fractions of amounts. Show your working.

1) Work out $\frac{2}{3}$ of 24.

2) Work out $\frac{3}{4}$ of 40.

3) Work out $\frac{4}{5}$ of 45.

4) Work out $\frac{5}{6}$ of 36.

5) Work out $\frac{2}{7}$ of 28.

6) Work out $\frac{3}{8}$ of 64.

7) Work out $\frac{7}{10}$ of 90.

8) Work out $\frac{4}{9}$ of 54.

9) Work out $\frac{5}{12}$ of 60.

10) Work out $\frac{3}{5}$ of 120.

11) Work out $\frac{7}{8}$ of 32.

12) Work out $\frac{9}{10}$ of 150.

ANSWERS & WORKED SOLUTIONS

I Do

Step 1: Divide the amount by the denominator (bottom number): $42 \div 7 = 6$

Step 2: Multiply the result by the numerator (top number): $6 \times 3 = 18$

Answer: 18

We Do

Step 1: Divide the amount by the denominator: $45 \div 9 = 5$

Step 2: Multiply the result by the numerator: $5 \times 4 = 20$

Answer: 20

You Do 1

Step 1: Divide the amount by the denominator: $35 \div 5 = 7$

Step 2: Multiply the result by the numerator: $7 \times 2 = 14$

Answer: 14

You Do 2

Step 1: Divide the amount by the denominator: $72 \div 8 = 9$

Step 2: Multiply the result by the numerator: $9 \times 5 = 45$

Answer: 45

Challenge

Method 1:

Step 1: Find the number of boys by calculating $\frac{3}{8}$ of 480. ($480 \div 8 = 60$, then $60 \times 3 = 180$

boys).

Step 2: Subtract the number of boys from the total to find the number of girls: $480 - 180 = 300$ girls.

Method 2:

Step 1: Find the fraction of the school that are girls: $1 - \frac{3}{8} = \frac{5}{8}$

Step 2: Calculate $\frac{5}{8}$ of 480. ($480 \div 8 = 60$, then $60 \times 5 = 300$ girls).

Answer: 300

Practice Perfect

1) 16

3) 36

5) 8

7) 63

9) 25

11) 28

2) 30

4) 30

6) 24

8) 24

10) 72

12) 135