

Finding fractions of numbers

Sheet 1

Find the following:

Set 1

$$\frac{1}{2} \text{ of } 12$$

$$\frac{1}{2} \text{ of } 20$$

$$\frac{1}{2} \text{ of } 16$$

$$\frac{1}{2} \text{ of } 10$$

$$\frac{1}{2} \text{ of } 8$$

$$\frac{1}{2} \text{ of } 24$$

Set 2

$$\frac{1}{4} \text{ of } 16$$

$$\frac{1}{4} \text{ of } 8$$

$$\frac{1}{4} \text{ of } 32$$

$$\frac{1}{4} \text{ of } 28$$

$$\frac{1}{3} \text{ of } 12$$

$$\frac{1}{3} \text{ of } 18$$

$$\frac{1}{3} \text{ of } 9$$

$$\frac{1}{3} \text{ of } 21$$

Challenge

$\frac{1}{2}$ of my number is 7. What is my number?

$\frac{1}{3}$ of my number is 5. What is my number?

Finding fractions of numbers

Sheet 2

Find the following:

$$\frac{1}{4} \text{ of } 16$$

$$\frac{1}{4} \text{ of } 8$$

$$\frac{1}{4} \text{ of } 32$$

$$\frac{1}{4} \text{ of } 28$$

$$\frac{1}{3} \text{ of } 12$$

$$\frac{1}{3} \text{ of } 6$$

$$\frac{1}{3} \text{ of } 9$$

$$\frac{1}{3} \text{ of } 21$$

$$\frac{1}{4} \text{ of } 20$$

$$\frac{1}{3} \text{ of } 24$$

$$\frac{1}{2} \text{ of } 22$$

$$\frac{1}{4} \text{ of } 24$$

$$\frac{1}{2} \text{ of } 16$$

$$\frac{1}{3} \text{ of } 15$$

$$\frac{1}{4} \text{ of } 36$$

$$\frac{1}{2} \text{ of } 26$$

$$\frac{1}{3} \text{ of } 27$$

$$\frac{1}{2} \text{ of } 24$$

$$\frac{1}{2} \text{ of } 32$$

$$\frac{1}{3} \text{ of } 18$$

Challenge

$\frac{1}{4}$ of a number is 10. What is the number?

$\frac{1}{3}$ of the number is 1. What is the number?

Halving and quartering

Sheet 1

Complete the table by finding half, then a quarter of each of the numbers.

	$\frac{1}{2}$	$\frac{1}{4}$
4		
8		
12		
16		
20		
24		
28		
32		
36		

Challenge

What do you notice about the numbers in the $\frac{1}{2}$ s column? What number would come next? What about the $\frac{1}{4}$ s column? How would this pattern continue?

Finding fractions

Sheet 1

Find the following:

$$\frac{1}{2} \text{ of } 34$$

$$\frac{1}{2} \text{ of } 26$$

$$\frac{1}{4} \text{ of } 28$$

$$\frac{1}{2} \text{ of } 22$$

$$\frac{1}{3} \text{ of } 15$$

$$\frac{1}{3} \text{ of } 24$$

$$\frac{1}{3} \text{ of } 33$$

$$\frac{1}{4} \text{ of } 24$$

Challenge

Find these fractions of amounts. Write them smallest to largest:

$$\frac{1}{4} \text{ of } 40$$

$$\frac{1}{2} \text{ of } 16$$

$$\frac{1}{3} \text{ of } 27$$

Finding fractions

Sheet 2

Find the following:

$$\frac{1}{2} \text{ of } 54$$

$$\frac{1}{3} \text{ of } 33$$

$$\frac{1}{2} \text{ of } 46$$

$$\frac{1}{4} \text{ of } 60$$

$$\frac{1}{2} \text{ of } 38$$

$$\frac{1}{3} \text{ of } 42$$

$$\frac{1}{4} \text{ of } 56$$

$$\frac{1}{3} \text{ of } 39$$

Challenge

Find these fractions of amounts. Write them smallest to largest:

$$\frac{1}{4} \text{ of } 52$$

$$\frac{1}{3} \text{ of } 36$$

$$\frac{1}{2} \text{ of } 28$$