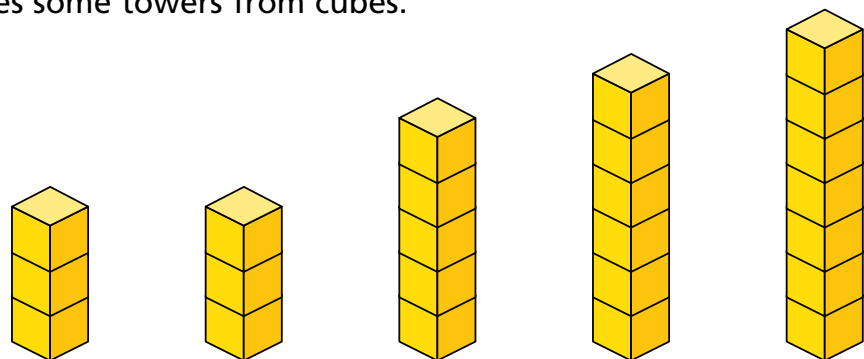


# Find the median of a set of numbers

**1** Eva makes some towers from cubes.



**a)** Circle the median tower of cubes.

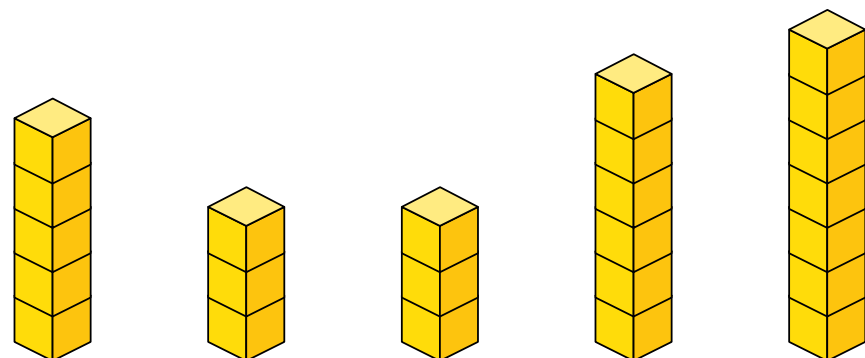
Explain your answer.

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Amir also makes some towers from cubes.



**b)** Circle the median tower of cubes.

Explain your answer.

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**2** Work out the median for each of these sets of numbers.  
**a)** 4, 9, 1, 2, 12

median =

**b)** 21 cm, 26 cm, 24 cm, 30 cm, 26 cm, 33 cm

median =

**c)** £20, £14, £18, £16

median =

**d)** 340 g, 480 g, 260 g, 350 g, 210 g, 500 g

median =

**3** Here are the test results from a group of Year 7 students.  
56%, 42%, 81%, 68%, 61%, 68%, 87%, 39%, 42%  
Work out the median result.

median =

- 4 Five numbers have a median of 8

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a) Fill in the cards to show what the numbers could be.

b) Compare answers with a partner.

What is the same and what is different?

- 5 Work out the missing numbers.

a) The median of these numbers is 12

5	10		23
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b) The median of these weights is 48 kg.

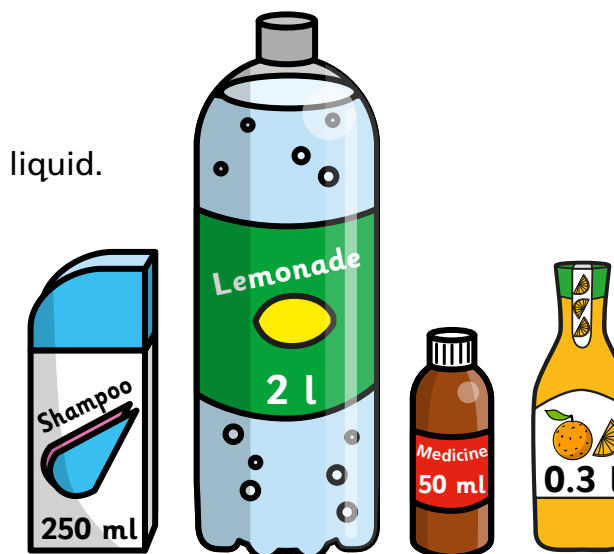
32 kg	39 kg		54 kg	68 kg	300 kg
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- 6 Four numbers have a median of 10 and a range of 4  
Write the 4 numbers.

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Is there more than one possible solution?

- 7 The amount of liquid in each container is shown on the labels.  
Work out the median amount of liquid.



Median =

- 8 Ron works out the median amount of time that students in his class spend on homework in a week.

The median is 1 hour 45 minutes.

Another student says she spends 2 hours a week on homework.  
What could happen to the median?

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- 9 The median wage of employees at a company is £570 per week.  
84 employees work for the company.  
2 of the employees earn exactly £570 per week.  
How many people earn more than £570 per week?