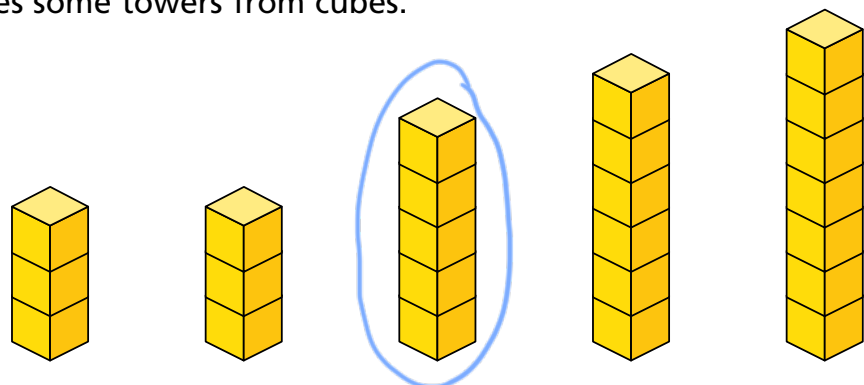


Find the median of a set of numbers

1 Eva makes some towers from cubes.

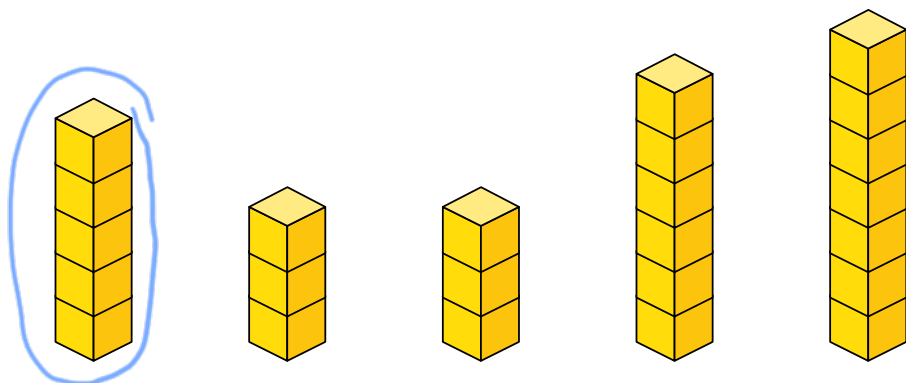


a) Circle the median tower of cubes.

Explain your answer.

It is the middle tower when they're in height order.

Amir also makes some towers from cubes.



b) Circle the median tower of cubes.

Explain your answer.

It would be the middle tower if they were in height order.

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

median = 4

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

median = 26 cm

c) £20, £14, £18, £16

median = £17

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

median = 345g

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 = 61%

- 4 Five numbers have a median of 8

E.g.

2

6

8

9

9

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

14

23

b) The median of these weights is 48 kg.

32 kg

39 kg

42 kg

54 kg

68 kg

300 kg

- 6 Four numbers have a median of 10 and a range of 4
Write the 4 numbers.

8

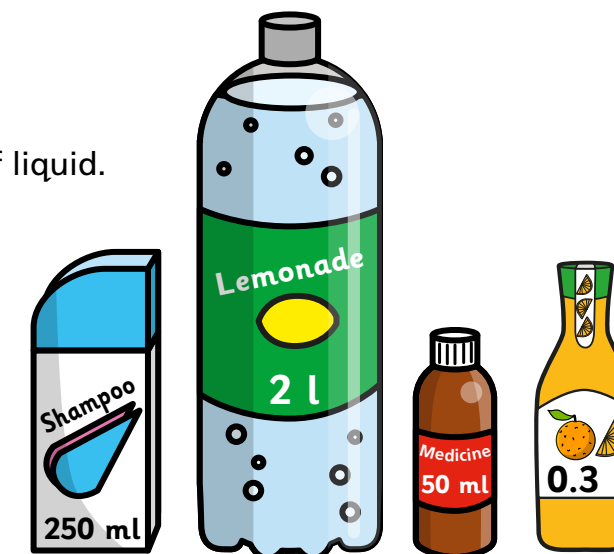
9

11

12

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 =

275 ml

- 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?

It could increase or stay the same.

- 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?

41
