

FIND THE MEAN

- The mean (or average) of a set of numbers can be calculated by adding all the numbers together and then dividing by how many numbers there are
- E.g. if there are two numbers 8 and 6
the mean will be $8 + 6 = 14$ $14 \div 2 = 7$

Find the mean of the following set of numbers
(use decimals if appropriate)

a) 8, 6

b) 12, 13

c) 8, 6, 10

d) 12, 13, 17

e) 21, 22, 28, 29

f) 21, 21, 21, 57

g) 122, 125, 128, 129, 136, 137

h) 101, 111, 136, 164, 172, 181, 185

FIND THE MEAN

Answers

a) 8, 6

$$14 \div 2 = 7$$

b) 12, 13

$$25 \div 2 = 12.5$$

c) 8, 6, 10

$$24 \div 3 = 8$$

d) 12, 13, 17

$$42 \div 3 = 14$$

e) 21, 22, 28, 29

$$100 \div 4 = 25$$

f) 21, 21, 21, 57

$$120 \div 4 = 30$$

g) 122, 125, 128, 129, 136, 137

$$777 \div 6 = 129.5$$

h) 101, 111, 136, 164, 172, 181, 185

$$1050 \div 7 = 150$$

FIND THE MEAN

- The total of a set of numbers can be calculated from the mean by multiplying the mean by how many numbers there are
- E.g. if the mean is 7 and there are 2 numbers the total will be $7 \times 2 = 14$

Find the total of the following set of numbers
(use decimals if appropriate)

a) 2 numbers with a mean of 7

Total =

b) 2 numbers with a mean of 12.5

Total =

c) 3 numbers with a mean of 8

Total =

d) 3 numbers with a mean of 14

Total =

e) 4 numbers with a mean of 25

Total =

f) 4 numbers with a mean of 30

Total =

g) 6 numbers with a mean of 129.5

Total =

h) 7 numbers with a mean of 150

Total =

FIND THE MEAN

Answers

a) 2 numbers with a mean of 7

$$\text{Total} = 14$$

b) 2 numbers with a mean of 12.5

$$\text{Total} = 25$$

c) 3 numbers with a mean of 8

$$\text{Total} = 24$$

d) 3 numbers with a mean of 14

$$\text{Total} = 42$$

e) 4 numbers with a mean of 25

$$\text{Total} = 100$$

f) 4 numbers with a mean of 30

$$\text{Total} = 120$$

g) 6 numbers with a mean of 129.5

$$\text{Total} = 777$$

h) 7 numbers with a mean of 150

$$\text{Total} = 1,050$$