

Calculating the mean from a frequency table

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Name: _____



Calculate the mean of the following sets of data:

NB: Table space is usually given

a)

| No. of Pets | Frequency | fx |
|-------------|-----------|-----------|
| 0 | 6 | 0 |
| 1 | 8 | 8 |
| 2 | 5 | 10 |
| 3 | 4 | 12 |
| 4 | 1 | 4 |
| | 24 | 34 |

1.42

b)

| Shoe size | Frequency | fx |
|-----------|-----------|------------|
| 4 | 6 | 24 |
| 5 | 8 | 40 |
| 6 | 10 | 60 |
| 7 | 4 | 28 |
| 8 | 5 | 40 |
| | 33 | 192 |

5.82

c)

| Age | Frequency | fx |
|-----|------------|-------------|
| 11 | 31 | 341 |
| 12 | 32 | 384 |
| 13 | 25 | 325 |
| 14 | 28 | 392 |
| 15 | 30 | 450 |
| 16 | 32 | 512 |
| | 178 | 2404 |

13.51

d)

| Siblings | Frequency | fx |
|----------|-----------|-----------|
| 0 | 12 | 0 |
| 1 | 18 | 18 |
| 2 | 10 | 20 |
| 3 | 7 | 21 |
| 4 | 2 | 8 |
| 5 | 0 | 0 |
| | 49 | 67 |

1.37

d)

| No. of rooms | Frequency |
|--------------|-----------|
| 4 | 2 |
| 5 | 15 |
| 6 | 18 |
| 7 | 25 |
| 8 | 10 |
| 9 | 8 |

6.64

e)

| Goals | Frequency |
|-------|-----------|
| 0 | 8 |
| 1 | 10 |
| 2 | 24 |
| 3 | 5 |
| 4 | 12 |
| 5 | 6 |

2.32

Exam question:

Gary has 50 tubes of smarties.
He counts the number of smarties in each tube.
The table gives information about his results.
Calculate the mean number of smarties in tubes.

29.96

| No. | Frequency |
|-----|-----------|
| 28 | 4 |
| 29 | 8 |
| 30 | 25 |
| 31 | 12 |
| 32 | 1 |

