

Functional Skills Maths Entry 3 | Modelled Paper | Non-Calculator 1

1. Milo wants to make his house safer.

Last year 127 houses in his town had security cameras.

This year 205 houses have security cameras.

How many more houses have security cameras this year than last year?

$$205 - 127 = 78$$

2. There are 126 houses in a street.

There are alarm systems in $\frac{1}{3}$ of these houses.

Milo thinks that 41 houses have an alarm system.

Is he correct?

Show why you think this.

$$126 \div 3 = 42$$

No, 42 houses have an alarm

3. Milo buys an alarm system for his house.

The system costs £362

Milo pays £32 each month for the system.

The final payment is a different amount.

What is the greatest number of monthly payments of £32 that Milo needs to pay?

How much does Milo pay in the final payment?

$$£362 \div 32 = 11$$

Remainder £10

Number of monthly payments 11

Final payment £10

4. Milo buys insurance.

He pays £27 each month.

How much does Milo pay in total for 12 months of insurance?

$$£27 \times 12 = £324$$

Functional Skills Maths Entry 3 | Shadow Paper | Non-Calculator 1

1. Milo wants to make his house safer.

Last year 127 houses in his town had security cameras.

This year 205 houses have security cameras.

How many more houses have security cameras this year than last year?

2. There are 128 houses in a street.

There are alarm systems in $\frac{1}{4}$ of these houses.

Milo thinks that 31 houses have an alarm system.

Is he correct?

Show why you think this.

3. Milo buys an alarm system for his house.

The system costs £475

Milo pays £42 each month for the system.

The final payment is a different amount.

What is the greatest number of monthly payments of £42 that Milo needs to pay?

How much does Milo pay in the final payment?

Number of monthly payments _____
Final payment £ _____

4. Milo buys insurance.

He pays £29 each month.

How much does Milo pay in total for 12 months of insurance?

Answers

1. 76

2. No, there are 32

3. 11, £13

4. £348