Name: .... Class: ....

Divide by 2-digit numbers: word problems

1. A candy factory used 814 kilograms of sugar to make 12 batches of candy. How much sugar did the factory use in each batch?

2. Mathew owns a printing press. He just recieved an order from a school to print 5,672 applications for students who are willing to apply in that school. The printing company can fit 27 copies in each box. Will there be a patially filled box?

3. A small library in collins' neighbourhood holds 988 books. If each shelve can hold 13 books, how many shelves are there in the library?

mathskills4kids

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Divide by 2-digit numbers: word problems

1. A candy factory used 814 kilograms of sugar to make 12 batches of candy. How much sugar did the factory use in each batch?

To find out how much sugar was used in each batch, let's divide 814 by 12

```
        67
   12 | 814
      - 72↓
        94
      - 84
        10
```

So, 17 kilograms of sugar was used in each batch with some fractions of kilograms left since there is a remainder

2. Mathew owns a printing press. He just recieved an order from a school to print 5,672 applications for students who are willing to apply in that school. The printing company can fit 27 copies in each box. Will there be a patially filled box?

To solve this problem, let's divide 5,672 by 27

```
        210
   27 | 5672
      - 54↓
        27
      - 27↓
        02
      - 00
         2
```

Yes, there will be a patially filled box with just 2 copies since we have a remainder of 2

3. A small library in collins' neighbourhood holds 988 books. If each shelve can hold 13 books, how many shelves are there in the library?

To find the number of shelves in the library, let's divide 988 by 13

```
        76
   13 | 988
      - 91↓
        78
      - 78
        00
```

Therefore, there are 76 shelves in the library.