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

Divide by 1-digit numbers: use compatible numbers

1. Beatrice, a gardener has 282 flowers to plant. If she can plant 7 flowers in each flower pot, about how many flower pots will she need?

2. Christmas season is fast approaching. Ben intend to spend $ 667 on buying christmas trees to retail. If each chrismas tree costs $6, about how many christmas trees can he buy to retail in his shop?

Solution

mathskills4kids

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

Divide by 1-digit numbers: use compatible numbers

1. Beatrice, a gardener has 282 flowers to plant. If she can plant 7 flowers in each flower pot, about how many flower pots will she need?

To solve this problem, let's divide the number of flower plant by the number of flowers that can be planted in each flower pot using a compatible number.

282 ÷ 7 = ?

A compatible number close to 282 that 7 can divide without a remainder is 280.

So, 282 ÷ 7 = 280 ÷ 7 =

```
   40
7 | 280
  - 28
    00
  -  0
     0
```

Therefore, Beatrice will need about 40 flower pots.

2. Christmas season is fast approaching. Ben intend to spend $ 667 on buying christmas trees to retail. If each chrismas tree costs $6, about how many christmas trees can he buy to retail in his shop?

To solve this problem, let's divide the amount Ben has by the cost of each tree using a compatible number.

$667 ÷ 6 = ?

A compatible number close to 667 that 6 can divide without a remainder is 666.

So,667 ÷ 6 = 666 ÷ 6 =

```
   111
6 | 666
  - 6
    06
  -  6
     06
     06
     00
```

Therefore, Ben will buy about 111 christmas trees.