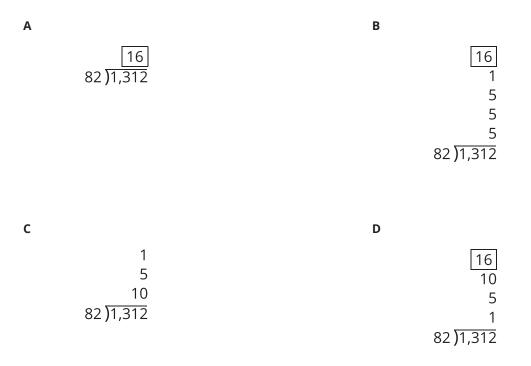# Lesson 14: Practice an Algorithm Using Partial Quotients

- Let's practice using an algorithm using partial quotients.

Warm-up: Which One Doesn't Belong: Different Ways

Which one doesn't belong?

A

```
        16
   82 )1,312
```

B

```
           16
            1
            5
            5
            5
     82 )1,312
```

C

```
            1
            5
           10
     82 )1,312
```

D

```
           16
           10
            5
            1
     82 )1,312
```

14.1: Find the Mistake

For each problem, describe where you see an error in the calculation. Then find the correct whole number quotient.

1.

```
          29
           4
           5
          20
    46 )1,656
       − 920
         436
       − 230
         206
       − 184
          22
```

2.

```
          64
           4
          60
    18 )972
       −900
         72
       − 72
          0
```

3.

```
         211
           1
          10
         200
    24 )744
       −480
        264
       −240
         24
```

14.2: Practice Problems

Find the value of each expression. Then check in with a partner to review your work.

1.

$$16\overline{)768}$$

2.

$$29\overline{)1{,}305}$$

3.

$$21\overline{)8{,}715}$$

4.

$$53\overline{)6{,}572}$$