Dividing by a Whole Number

Find 196 ÷ 32.

Step 1

Put the decimal point in the dividend. Divide. Put the decimal in the quotient right above the decimal in the dividend. Subtract.

```
       6.
32 ) 196.
    -192
       4
```

Step 2

Add a zero after the decimal point in the dividend. Bring down the zero. Divide. Subtract.

```
       6.1
32 ) 196.0
    -192 ↓
       4 0
      -3 2
         8
```

Step 3

Repeat Step 2 until there is no remainder.

```
       6.125
32 ) 196.000
    -192 ↓
       4 0
      -3 2
         80
        -64
        160
       -160
          0
```

Remember, you can use estimation to see if your answer is reasonable: 180 ÷ 30 = 6. You can check your answer using multiplication: 32 × 6.125 = 196

Find the quotient.

1. 11)93.5

2. 25)1.75

3. 6)573

4.
```
       6.
3 ) 18.6
   -18
     0
```

5.
```
       3.
7 ) 22.61
   -21
```

6.
```
     $ 3.
12 )$44.40
    - 36
       8
```

7. Cherri said that 0.9 ÷ 3 = 0.3. Is she correct? Explain why or why not.

_____

_____

_____

Dividing by a Whole Number

Find the quotient.

1. $42.78 ÷ 3

_____

2. 66.5 ÷ 5

_____

3. 8.4 ÷ 10

_____

4. 5 ÷ 500

_____

5. 59.6 ÷ 4

_____

6. 188.4 ÷ 30

_____

7. $1.25 ÷ 5

_____

8. 235 ÷ 40

_____

9. 11.8 ÷ 25

_____

10. Jorge bought 6 tickets to a concert for $324. What was the cost of each ticket?

_____

11. Tony bought a 72-ounce box of dog biscuits. How many pounds of dog biscuits did he buy? (Remember: 1 pound = 16 ounces.)

A 4 pounds

B 4.5 pounds

C 90 pounds

D 4,320 pounds

12. Janell uses 66 beads for each necklace she makes. She bought a bag of 500 beads. How many necklaces can she make?

_____

13. In what place is the first digit of the quotient for 18.88 ÷ 4? Tell how you know.

_____

_____