**“Halfing” Fun**

How quickly can you figure out half of each of the amounts below using only mental math? Check your answers using a calculator or pencil and paper.

½ of $30 = \_\_\_\_\_\_\_\_\_\_\_\_\_

½ of $8 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $14 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $24 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $36 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $78 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $56 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $22 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $16 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $340 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of 210 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of 502 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $864 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $326 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $185 = \_\_\_\_\_\_\_\_\_\_\_\_

½ of $275 = \_\_\_\_\_\_\_\_\_\_\_\_

**“In-Tenths” Practice**

Answer each set of questions below. Use mental math to answer and then describe what you did in your mind.

1. Packages of batteries normally sell for $4.99. They are now 20% off. About how much is saved buying them at the sale price?\_\_\_\_\_\_\_\_\_\_\_  
   About how much would you have to pay?\_\_\_\_\_\_\_\_\_\_\_\_  
   How did you figure it out?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. $24.99 coffee makers are now on sale at 30% off. About how much is saved buying one at the sale price? \_\_\_\_\_\_\_\_\_\_\_\_  
   About how much would you have to pay?\_\_\_\_\_\_\_\_\_\_\_\_  
   How did you figure it out? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. A five-piece patio set is priced at $59.99. It is now specially marked at 40% off. About how much is saved buying one at the sale price?\_\_\_\_\_\_\_\_\_\_\_\_  
   About how much would you have to pay?\_\_\_\_\_\_\_\_\_\_\_\_  
   How did you figure it out?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Home fire extinguishers are on sale at 20% the regular price of $9.99. About how much is saved buying them at the sale price?\_\_\_\_\_\_\_\_\_\_\_  
   About how much would you have to pay?\_\_\_\_\_\_\_\_\_\_\_\_  
   How did you figure it out?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mental Math Practice-Fractions and Percents**

How quickly can you figure out each of the amounts below? Check your work with a calculator or pencil and paper.

20% of $20 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

¼ of $104=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

30% of $66=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

25% of $88=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

30% of $30=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

¾ of $60=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

½ of $7=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

30% of 50=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

40% of $360=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

¾ of $24=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

40% of $30=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Three quarters of $80=\_\_\_\_\_\_\_\_

20% of $806=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

One-tenth of $88=\_\_\_\_\_\_\_\_\_\_\_

50% of $17=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

One-fourth of $120=\_\_\_\_\_\_\_\_\_

40% of $50=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

One-fourth of $40=\_\_\_\_\_\_\_\_\_\_

Half of $82=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

One-tenth of $70=\_\_\_\_\_\_\_\_\_\_\_

**Comparing Prices**

Compare the two items on sale below. Is one a better deal than another? How do you know? Try to show at least two different ways that you could compare the two sales.

**Sale!**

**Regularly priced at $39.99**

**Now on sale for $29.99**

**Sale!**

**Regularly priced at $49.99**

**Now on sale for $39.99**

Compare the two items on sale below. Is one a better deal than another? How do you know? Try to show at least two different ways that you could compare the two sales.

**Sale!**

**Regularly priced at $23.99**

**Now on sale for $17.99**

**Sale!**

**Regularly priced at $27.99**

**Now on sale for $20.99**