

Multiplying and dividing by 10,
 finding 10% of a number by dividing by 10
 finding 50% of a number by taking half

- To multiply a number by 10, move all digits 1 place to the *left* (to make the number bigger).
- To divide a number by 10, move all digits 1 place to the *right* (to make the number smaller).

1.

$$10 \times \$4.50 = \underline{\hspace{2cm}} \qquad \$4.50 \div 10 = \underline{\hspace{2cm}}$$

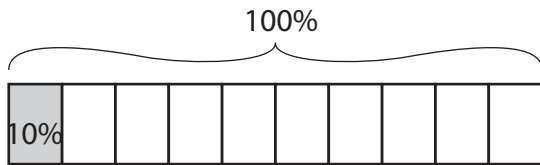
2.

$$10 \times \$36 = \underline{\hspace{2cm}} \qquad \$36 \div 10 = \underline{\hspace{2cm}}$$

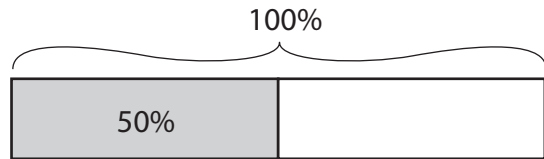
3.

$$10 \times 0.74 = \underline{\hspace{2cm}} \qquad 0.74 \div 10 = \underline{\hspace{2cm}}$$

Finding 10% and 50% of a number

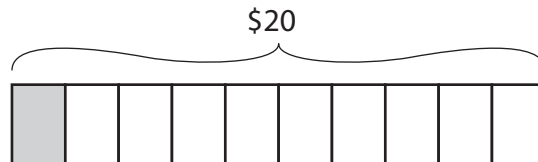


$$10\% = 1/10$$



$$50\% = 1/2$$

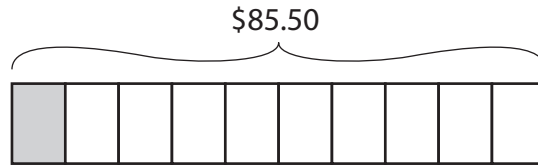
4. A pair of pants cost \$20. The pants are now 10% off.



How many dollars off are the pants? Answer:

How much do the pants cost now after the discount? Answer:

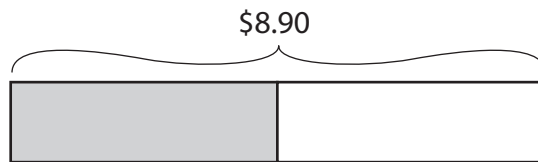
5. An appliance cost \$85.00. The appliance is now 10% off.



How many dollars off is the appliance? Answer: _____

How much does the appliance cost now after the discount? Answer: _____

6. A calendar cost \$8.90. The calendar is now 50% off.



How many dollars off is the calendar? Answer: _____

How much does the calendar cost now after the discount? Answer: _____

7. Grapes were \$2.50 per pound. The grapes are now 10% off.

How many dollars off are a pound of grapes? Answer: _____

How much does a pound of grapes cost now after the discount? Answer: _____

8. There are 860 middle school students in a county. 50% of the middle school students attend Alameida Middle School. How many students attend Alameida middle school?

Answer: _____