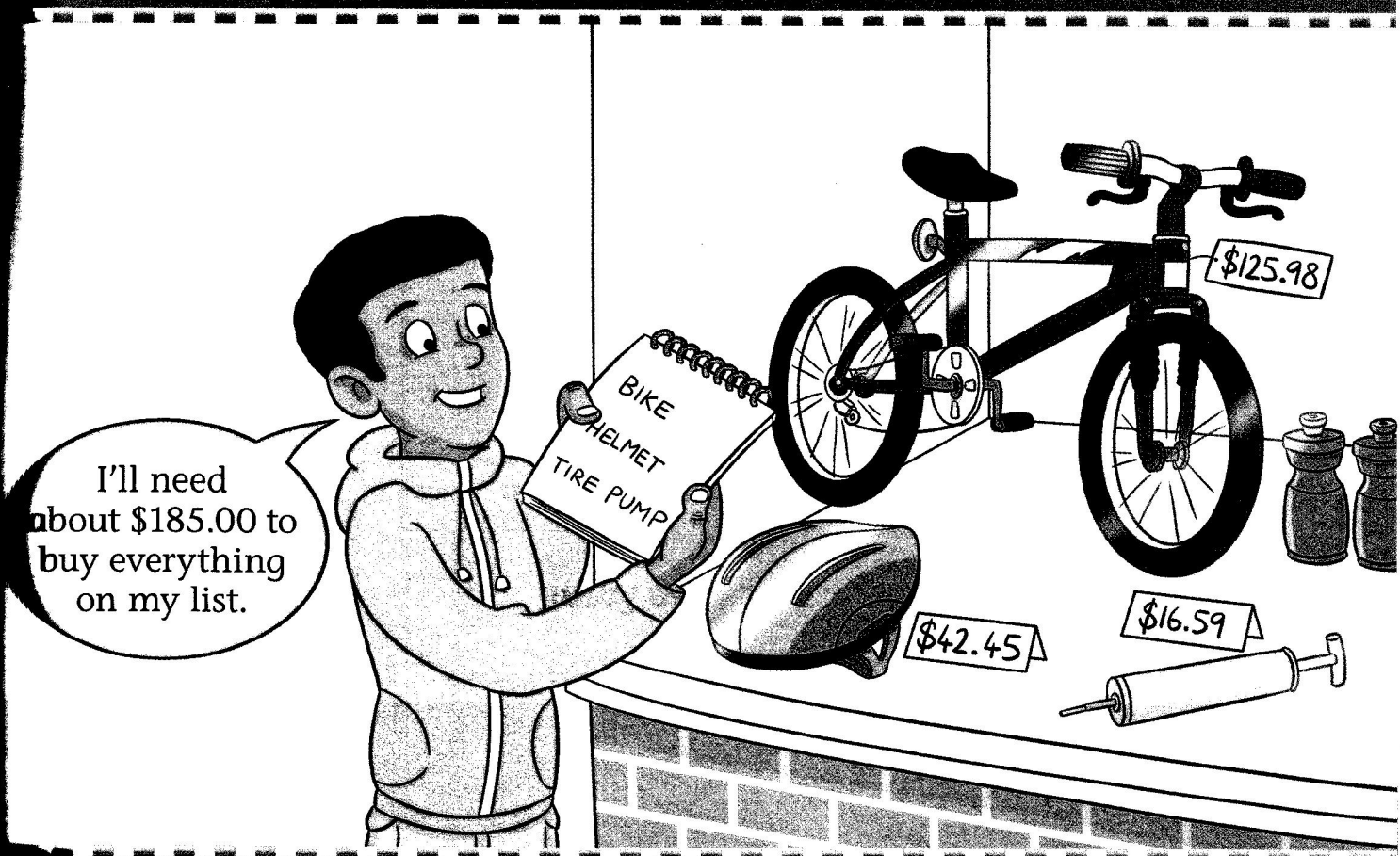


# Rounding and Estimation

Skill: Use place value understanding to round numbers and make estimates



- 1** Lay out the mats and sort the cards by color.
- 2** Look at each shopping list on the mats and find the matching colored cards.
- 3** Round the items on the list to the place indicated and then estimate the total cost.
- 4** Look at the three amounts on the colored cards and place the card that shows the correct estimate in the square.
- 5** Complete the response form.

**Rounding and Estimation**

**D** *Round to the greatest place value*

1 lb. ground beef	\$7.99
1 package buns	\$4.39
1 head lettuce	\$ .77
$\frac{1}{2}$ lb. tomatoes	\$3.50 per lb.
2 bags potato chips	\$2.14 each

total estimated cost:

**E** *Round to the tenths place*

bouncy ball	\$2.32
jump rope	\$4.63
puppet	\$3.18
stuffed bear	\$5.55
coloring book	\$1.74

total estimated cost:

**F** *Round to the ones place*

jeans	\$29.77
flowered blouse	\$16.83
sequined belt	\$12.37
knit cap	\$ 9.12
flip-flops	\$10.64

total estimated cost:

**G** *Round to the ones place*

2 kittens	\$45.79 each
1 bag cat food	\$17.67
1 litter box	\$ 6.69
1 bag kitty litter	\$ 3.38
10 cat treats	\$ .25 each

total estimated cost:

**H** *Round to the ones place*

1 bag of rice	\$ 75.00
10 lbs. rice	\$ 54.99 each
10 lbs. rice	\$ 123.75
10 lbs. rice	\$ 14.75
10 lbs. rice	\$ 38.90

total estimated cost:

**I** *Pet Store*

1 dog	\$21.75
1 dog	\$14.85 each
1 dog	\$18.20 each
1 dog	\$ 2.99 each
1 dog	\$ 1.99/dog

total estimated cost:

Response form amounts:  \$78.00,  \$79.00,  \$80.00,  \$17.50,  \$18.00,  \$20.00

# Rounding and Estimation

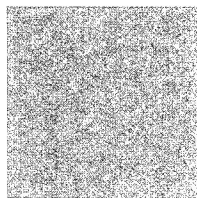
## 1 Grocery Store



### Round to the greatest place value

1 lb. ground beef	\$7.99
1 package buns	\$4.39
1 head lettuce	\$ .77
$\frac{1}{2}$ lb. tomatoes	\$3.50 per lb.
2 bags potato chips	\$2.19 each

total estimated cost:



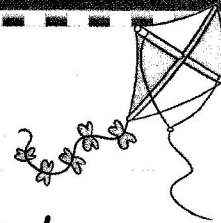
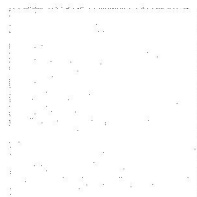
## 2 Clothing Store



### Round to the ones place

jeans	\$29.77
flowered blouse	\$16.83
sequined belt	\$12.37
knit cap	\$ 9.12
flip-flops	\$10.64

total estimated cost:



### Round to the tenths place

bouncy ball	\$2.32
jump rope	\$4.63
puppet	\$3.18
stuffed bear	\$5.55
coloring book	\$1.79

total estimated cost:

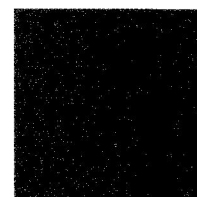
## 4 Pet Store



### Round to the ones place

2 kittens	\$45.79 each
1 bag cat food	\$17.67
1 litter box	\$ 6.69
1 bag kitty litter	\$ 3.38
10 cat treats	\$ .25 each

total estimated cost:



# Rounding and Estimation



## 6 Sporting Goods Store



### Round to the greatest place value

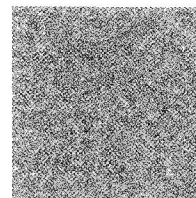
1 hand controller	\$65.00
batteries	\$ 5.75
1 new game	\$69.99
3 used games	\$28.19 each
1 headset	\$19.50

total estimated cost:

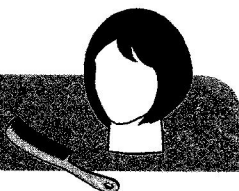
### Round to the ones place

baseball cleats	\$ 75.00
2 baseball gloves	\$ 54.99 each
baseball bat	\$123.25
batting glove	\$ 14.75
helmet	\$ 38.90

total estimated cost:



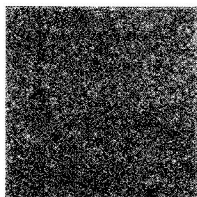
## 7 Salon



### Round to the greatest place value

haircut	\$45.00
manicure	\$12.50
pedicure	\$25.75
nail art	\$ 2.15
lip gloss	\$ 3.39

total estimated cost:



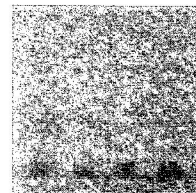
## 8 Pizza Parlor



### Round to the ones place

1 gourmet vegetarian pizza	\$21.75
3 cheese pizzas	\$14.85 each
2 pepperoni pizzas	\$18.20 each
5 pitchers soda	\$ 2.99 each
4 dozen cookies	\$ 1.99/dozen

total estimated cost:



\$18.80	\$19.00	\$20.00
\$17.50	\$18.00	\$20.00
\$79.00	\$78.00	\$80.00
\$123.00	\$120.00	\$125.00
\$256.00	\$250.00	\$300.00
\$362.00	\$360.00	\$400.00
\$95.00	\$89.00	\$100.00
\$126.00	\$125.00	\$130.00

# Rounding and Estimation

Round the dollar amounts in each list to the place value indicated and then add the amounts to check your estimate on the mats.

## 1 Round to the greatest place value

\$7.99	\$ _____
\$4.39	\$ _____
\$ .77	\$ _____
$\frac{1}{2}$ of \$3.50	\$ _____
2@ \$2.19 each	\$ _____
<b>Total</b>	\$ _____

## 2 Round to the tenths place

\$2.32	\$ _____
\$4.63	\$ _____
\$3.18	\$ _____
\$5.55	\$ _____
\$1.79	\$ _____
<b>Total</b>	\$ _____

## 3 Round to the ones place

\$29.77	\$ _____
\$16.83	\$ _____
\$12.37	\$ _____
\$ 9.12	\$ _____
\$10.64	\$ _____
<b>Total</b>	\$ _____

## 4 Round to the ones place

2@ \$45.79 each	\$ _____
\$17.67	\$ _____
\$ 6.69	\$ _____
\$ 3.38	\$ _____
10@ \$ .25 each	\$ _____
<b>Total</b>	\$ _____

## 5 Round to the greatest place value

\$65.00	\$ _____
\$ 5.75	\$ _____
\$69.99	\$ _____
3@ \$28.19 each	\$ _____
\$19.50	\$ _____
<b>Total</b>	\$ _____

## 6 Round to the ones place

\$ 75.00	\$ _____
2@ \$ 54.99 each	\$ _____
\$123.25	\$ _____
\$ 14.75	\$ _____
\$ 38.90	\$ _____
<b>Total</b>	\$ _____

## 7 Round to the greatest place value

\$45.00	\$ _____
\$12.50	\$ _____
\$25.75	\$ _____
\$ 2.15	\$ _____
\$ 3.39	\$ _____
<b>Total</b>	\$ _____

## 8 Round to the ones place

\$21.75	\$ _____
3@ \$14.85 each	\$ _____
2@ \$18.20 each	\$ _____
5@ \$ 2.99 each	\$ _____
4@ \$ 1.99 each	\$ _____
<b>Total</b>	\$ _____