

Shipping

Numeric Response

1. Goods can be shipped by barge, rail, truck, or airplane. The cost of shipping will depend on weight of the item and speed of delivery.

$$\text{Shipping} = \text{Weight} \times \text{Base Rate}$$

From	To	Overnight	Two-day	Three-day
Atlanta	Dallas	\$182.10	\$104.34	\$43.70
Boston	Miami	183.61	105.21	44.07
Chicago	Detroit	151.67	86.91	36.40
Denver	Sacramento	177.32	101.60	42.56
Los Angeles	New York City	251.52	144.12	60.36
Tampa	Syracuse	186.88	107.08	44.85

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Sherry Russell has worked in the shipping department of Blockbuster Video for the last 18 years. She is shipping a 263 pound package of green glass gorillas from Boston to one of their best customers in Miami. If Sherry chooses to ship it using the overnight service, how much will the shipping be to the nearest cent?

2. Goods can be shipped by barge, rail, truck, or airplane. The cost of shipping will depend on weight of the item and speed of delivery.

$$\text{Shipping} = \text{Weight} \times \text{Base Rate}$$

From	To	Overnight	Two-day	Three-day
Atlanta	Dallas	\$197.93	\$115.20	\$48.49
Boston	Miami	200.36	116.61	49.09
Chicago	Detroit	171.43	99.77	42.00
Denver	Sacramento	199.01	115.82	48.76
Los Angeles	New York City	270.39	157.37	66.25
Tampa	Syracuse	201.71	117.40	49.42

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Eliza Benington has worked in the shipping department of DeLorean Motor Company for the last 8 years. She is shipping a 157 pound package of pink porcelain ponies from Chicago to one of their best customers in Detroit. If Eliza chooses to ship it using the two-day service, how much will the shipping be to the nearest cent?

3. Goods can be shipped by barge, rail, truck, or airplane. The cost of shipping will depend on weight of the item and speed of delivery.

$$\text{Shipping} = \text{Weight} \times \text{Base Rate}$$

From	To	Overnight	Two-day	Three-day
Atlanta	Dallas	\$190.33	\$110.01	\$45.87
Boston	Miami	189.04	109.27	45.56
Chicago	Detroit	165.60	95.72	39.91
Denver	Sacramento	193.16	111.65	46.55
Los Angeles	New York City	257.55	148.86	62.07
Tampa	Syracuse	182.60	105.54	44.01

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Frans McGyver has worked in the shipping department of Blockbuster Video for the last 6 years. He is shipping a 228 pound package of yellow yarn llamas from Chicago to one of their best customers in Detroit. If Frans chooses to ship it using the two-day service, how much will the shipping be to the nearest cent?

4. Goods can be shipped by barge, rail, truck, or airplane. The cost of shipping will depend on weight of the item and speed of delivery.

$$\text{Shipping} = \text{Weight} \times \text{Base Rate}$$

From	To	Overnight	Two-day	Three-day
Atlanta	Dallas	\$200.98	\$112.55	\$49.24
Boston	Miami	202.07	113.16	49.51
Chicago	Detroit	174.56	97.75	42.77
Denver	Sacramento	192.54	107.82	47.17
Los Angeles	New York City	272.33	152.50	66.72
Tampa	Syracuse	203.98	114.23	49.98

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Sherry McGyver has worked in the shipping department of Blockbuster Video for the last 7 years. She is shipping a 162 pound package of fragile fairy figurines from Tampa to one of their best customers in Syracuse. If Sherry chooses to ship it using the two-day service, how much will the shipping be to the nearest cent?

5. Sometimes the best option to send heavier items is by truck. The shipping cost will depend on weight and distance.

$$\text{Shipping Cost} = \text{Number of Miles} \times \text{Rate per Mile}$$

Door-to-Door Motor Freight Rates in Cost per Mile					
Weight in Pounds	Minimum Charge	1 - 99 Miles	100 - 199 Miles	200 - 299 Miles	300 - 500 Miles
Under 500	\$128.95	\$1.58	\$1.44	\$1.39	\$1.33
501 - 3,000	138.11	1.78	1.63	1.57	1.50
3,001 - 5,000	185.43	2.69	2.46	2.37	2.27
5,001 - 13,000	247.33	3.03	2.77	2.67	2.56
13,001 - 45,000	423.47	3.19	2.91	2.81	2.69

Roy Russell has worked in the shipping department of America Online for the last 11 years. He is shipping a 266 pound cargo of colorful clay canaries 233 miles to one of their best customers. How much will the shipping be to the nearest cent?

6. Sometimes the best option to send heavier items is by truck. The shipping cost will depend on weight and distance.

$$\text{Shipping Cost} = \text{Number of Miles} \times \text{Rate per Mile}$$

Door-to-Door Motor Freight Rates in Cost per Mile					
Weight in Pounds	Minimum Charge	1 - 99 Miles	100 - 199 Miles	200 - 299 Miles	300 - 500 Miles
Under 500	\$125.76	\$1.73	\$1.59	\$1.52	\$1.46
501 - 3,000	134.56	1.95	1.79	1.72	1.64
3,001 - 5,000	180.47	2.94	2.70	2.59	2.48
5,001 - 13,000	240.20	3.29	3.02	2.90	2.77
13,001 - 45,000	414.13	3.49	3.20	3.07	2.94

Hans Benington has worked in the shipping department of Showbiz Pizza for the last 3 years. He is shipping a 29,531 pound cargo of polished pewter paper weights 242 miles to one of their best customers. How much will the shipping be to the nearest cent?

7. Sometimes the best option to send heavier items is by truck. The shipping cost will depend on weight and distance.

$$\text{Shipping Cost} = \text{Number of Miles} \times \text{Rate per Mile}$$

Door-to-Door Motor Freight Rates in Cost per Mile					
Weight in Pounds	Minimum Charge	1 - 99 Miles	100 - 199 Miles	200 - 299 Miles	300 - 500 Miles
Under 500	\$128.93	\$1.50	\$1.37	\$1.32	\$1.28
501 - 3,000	138.21	1.68	1.53	1.48	1.43
3,001 - 5,000	184.50	2.56	2.33	2.25	2.18
5,001 - 13,000	245.61	2.87	2.61	2.52	2.44
13,001 - 45,000	416.19	3.02	2.75	2.65	2.57

Eliza Russell has worked in the shipping department of Atari for the last 18 years. She is shipping a 6,009 pound cargo of fragile fairy figurines 336 miles to one of their best customers. How much will the shipping be to the nearest cent?

8. Sometimes the best option to send heavier items is by truck. The shipping cost will depend on weight and distance.

Shipping Cost = Number of Miles x Rate per Mile

Door-to-Door Motor Freight Rates in Cost per Mile					
Weight in Pounds	Minimum Charge	1 - 99 Miles	100 - 199 Miles	200 - 299 Miles	300 - 500 Miles
Under 500	\$105.18	\$1.41	\$1.29	\$1.23	\$1.19
501 - 3,000	112.75	1.58	1.44	1.38	1.34
3,001 - 5,000	151.46	2.41	2.20	2.10	2.04
5,001 - 13,000	200.05	2.69	2.46	2.35	2.28
13,001 - 45,000	346.25	2.85	2.60	2.49	2.41

Hans Russell has worked in the shipping department of America Online for the last 21 years. He is shipping a 339 pound cargo of green glass gorillas 493 miles to one of their best customers. How much will the shipping be to the nearest cent?

Shipping Answer Section

NUMERIC RESPONSE

1. ANS: 482.89

PTS: 1

2. ANS: 156.64

PTS: 1

3. ANS: 218.24

PTS: 1

4. ANS: 185.05

PTS: 1

5. ANS: 452.82

PTS: 1

6. ANS: 1,157.07

PTS: 1

7. ANS: 1,065.45

PTS: 1

8. ANS: 691.85

PTS: 1

