

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	\$187.98	\$105.08	\$44.18
Boston	Miami	182.82	102.20	42.96
Chicago	Detroit	165.26	92.38	38.84
Denver	Sacramento	181.27	101.33	42.60
Los Angeles	New York City	258.22	144.34	60.68
Tampa	Syracuse	185.14	103.49	43.51

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Frans Benington has worked in the shipping department of America Online for the last 20 years. He is shipping a 233 pound package of polished pewter paper weights from Atlanta to one of their best customers in Dallas. If Frans chooses to ship it using the two-day 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	\$193.88	\$114.00	\$46.73
Boston	Miami	195.45	114.92	47.10
Chicago	Detroit	168.17	98.88	40.53
Denver	Sacramento	189.94	111.68	45.78
Los Angeles	New York City	262.35	154.26	63.23
Tampa	Syracuse	188.37	110.76	45.40

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Hans Russell has worked in the shipping department of DeLorean Motor Company for the last 13 years. He is shipping a 289 pound package of polished pewter paper weights from Chicago to one of their best customers in Detroit. If Hans chooses to ship it using the three-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	\$193.61	\$112.68	\$46.47
Boston	Miami	189.61	110.35	45.51
Chicago	Detroit	160.54	93.43	38.53
Denver	Sacramento	193.08	112.37	46.34
Los Angeles	New York City	266.68	155.21	64.00
Tampa	Syracuse	189.34	110.20	45.44

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Bertha Russell has worked in the shipping department of DeLorean Motor Company for the last 9 years. She is shipping a 282 pound package of green glass gorillas from Denver to one of their best customers in Sacramento. If Bertha chooses to ship it using the three-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	\$184.22	\$102.61	\$45.50
Boston	Miami	182.70	101.76	45.13
Chicago	Detroit	157.61	87.79	38.93
Denver	Sacramento	180.17	100.35	44.50
Los Angeles	New York City	253.40	141.14	62.59
Tampa	Syracuse	186.50	103.88	46.07

The table above shows the rates for 100 pounds of a package being shipped to the door of the addressee. Hans Rockford has worked in the shipping department of Atari for the last 5 years. He is shipping a 234 pound package of fragile fairy figurines from Tampa to one of their best customers in Syracuse. If Hans 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	\$124.58	\$1.35	\$1.24	\$1.18	\$1.14
501 - 3,000	133.30	1.51	1.39	1.32	1.27
3,001 - 5,000	179.15	2.31	2.13	2.02	1.95
5,001 - 13,000	236.70	2.59	2.38	2.27	2.18
13,001 - 45,000	400.28	2.73	2.51	2.39	2.30

Bertha Rockford has worked in the shipping department of Blockbuster Video for the last 22 years. She is shipping a 839 pound cargo of polished pewter paper weights 216 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	\$128.66	\$1.32	\$1.21	\$1.15	\$1.11
501 - 3,000	137.67	1.49	1.36	1.30	1.25
3,001 - 5,000	185.79	2.25	2.05	1.96	1.89
5,001 - 13,000	245.35	2.52	2.30	2.19	2.12
13,001 - 45,000	422.52	2.66	2.43	2.32	2.24

Roy Rockford has worked in the shipping department of America Online for the last 10 years. He is shipping a 29,527 pound cargo of pink porcelain ponies 260 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	\$106.74	\$1.54	\$1.42	\$1.35	\$1.30
501 - 3,000	114.43	1.74	1.60	1.53	1.47
3,001 - 5,000	152.74	2.63	2.42	2.31	2.22
5,001 - 13,000	203.55	2.94	2.70	2.58	2.48
13,001 - 45,000	341.67	3.11	2.86	2.73	2.62

Frans Finley has worked in the shipping department of Blockbuster Video for the last 9 years. He is shipping a 2,518 pound cargo of colorful clay canaries 409 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	\$121.46	\$1.87	\$1.71	\$1.63	\$1.57
501 - 3,000	129.96	2.11	1.93	1.84	1.77
3,001 - 5,000	173.81	3.18	2.91	2.77	2.67
5,001 - 13,000	231.50	3.58	3.27	3.12	3.01
13,001 - 45,000	398.27	3.77	3.45	3.29	3.17

Roy McGyver has worked in the shipping department of Showbiz Pizza for the last 11 years. He is shipping a 3,618 pound cargo of polished pewter paper weights 443 miles to one of their best customers. How much will the shipping be to the nearest cent?

Shipping Answer Section

NUMERIC RESPONSE

1. ANS: 244.84

PTS: 1

2. ANS: 117.13

PTS: 1

3. ANS: 130.68

PTS: 1

4. ANS: 243.08

PTS: 1

5. ANS: 418.42

PTS: 1

6. ANS: 1,025.72

PTS: 1

7. ANS: 715.66

PTS: 1

8. ANS: 1,356.62

PTS: 1

