

**Using a Budget****Numeric Response**

1. Using a budget could help you plan your future spending. Below is a prepared budget sheet for the Jacksons. The Jacksons increased their groceries expense by \$34 while making adjustments to the other expenses so that the total budget remains the same. What percent of the budget for living expenses is the new groceries amount to the nearest tenth?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Total Monthly Living Expenses	Percent of Budget	Percent for Average Family	Percent More or Less (-) Than Average
Clothing	\$35.63	\$1,017.98	3.5%	6.3%	-2.8%
Transportation	186.29	1,017.98	18.3%	21.6%	-3.3%
Groceries	212.76	1,017.98	20.9%	29.0%	-8.1%
Entertainment	190.36	1,017.98	18.7%	15.7%	3.0%
Pocket Money	35.63	1,017.98	3.5%	5.5%	-2.0%

(target: Compare budgeted amount to actual expenditures.)

2. Using a budget could help you plan your future spending. Below is a prepared budget sheet for the Jacksons. The Jacksons decreased their transportation expense by \$50 while making adjustments to the other expenses so that the total budget remains the same. What percent of the budget for living expenses is the new transportation amount to the nearest tenth?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Total Monthly Living Expenses	Percent of Budget	Percent for Average Family	Percent More or Less (-) Than Average
Clothing	\$84.02	\$944.08	8.9%	6.8%	2.1%
Transportation	272.84	944.08	28.9%	21.5%	7.4%
Groceries	346.48	944.08	36.7%	27.8%	8.9%
Entertainment	139.72	944.08	14.8%	12.6%	2.2%
Pocket Money	74.58	944.08	7.9%	5.4%	2.5%

(target: Compare budgeted amount to actual expenditures.)

3. Using a budget could help you plan your future spending. Your monthly net income is \$1,307.42. You allocate 6.0 percent for clothing, 21.6 percent for transportation, 25.0 percent for groceries, 13.4 percent for entertainment, and 5.4 percent for pocket money. If your spending habits remain constant, how much money will you have saved that is below your budget during 5 months?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Actual Amount Spent	Percent Budgeted	Percent of Amount Actually Spent	Amount More or Less (-) Than Budget
Clothing	\$78.45	\$39.22	6.0%	3.0%	-39.23
Transportation	282.40	336.01	21.6%	25.7%	53.61
Groceries	326.86	298.09	25.0%	22.8%	-28.77
Entertainment	175.19	132.05	13.4%	10.1%	-43.14
Pocket Money	70.60	105.90	5.4%	8.1%	35.30

(target: Compare budgeted amount to actual expenditures.)

4. Using a budget could help you plan your future spending. Below is a prepared budget sheet for the Smiths. The Smiths increased their clothing expense by \$42 while making adjustments to the other expenses so that the total budget remains the same. What percent of the budget for living expenses is the new clothing amount to the nearest tenth?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Total Monthly Living Expenses	Percent of Budget	Percent for Average Family	Percent More or Less (-) Than Average
Clothing	\$182.44	\$1,920.39	9.5%	6.5%	3.0%
Transportation	291.90	1,920.39	15.2%	21.7%	-6.5%
Groceries	347.59	1,920.39	18.1%	26.2%	-8.1%
Entertainment	387.92	1,920.39	20.2%	15.5%	4.7%
Pocket Money	176.68	1,920.39	9.2%	6.4%	2.8%

(target: Compare budgeted amount to actual expenditures.)

5. Using a budget could help you plan your future spending. Below is a prepared budget sheet for the Johnsons. The Johnsons decreased their groceries expense by \$44 while making adjustments to the other expenses so that the total budget remains the same. What percent of the budget for living expenses is the new groceries amount to the nearest tenth?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Total Monthly Living Expenses	Percent of Budget	Percent for Average Family	Percent More or Less (-) Than Average
Clothing	\$71.37	\$1,740.75	4.1%	6.8%	-2.7%
Transportation	473.48	1,740.75	27.2%	21.1%	6.1%
Groceries	600.56	1,740.75	34.5%	25.1%	9.4%
Entertainment	294.19	1,740.75	16.9%	12.4%	4.5%
Pocket Money	38.30	1,740.75	2.2%	4.5%	-2.3%

(target: Compare budgeted amount to actual expenditures.)

6. Using a budget could help you plan your future spending. Your monthly net income is \$1,258.93. You allocate 6.7 percent for clothing, 21.0 percent for transportation, 25.3 percent for groceries, 12.1 percent for entertainment, and 5.3 percent for pocket money. If your spending habits remain constant, how much money will you have saved that is below your budget during 11 months?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Actual Amount Spent	Percent Budgeted	Percent of Amount Actually Spent	Amount More or Less (-) Than Budget
Clothing	\$84.35	\$56.65	6.7%	4.5%	-27.70
Transportation	264.38	211.50	21.0%	16.8%	-52.88
Groceries	318.51	280.74	25.3%	22.3%	-37.77
Entertainment	152.33	119.60	12.1%	9.5%	-32.73
Pocket Money	66.72	98.20	5.3%	7.8%	31.48

(target: Compare budgeted amount to actual expenditures.)

7. Using a budget could help you plan your future spending. Your monthly net income is \$1,294.55. You allocate 6.5 percent for clothing, 20.3 percent for transportation, 27.9 percent for groceries, 12.8 percent for entertainment, and 4.1 percent for pocket money. If your spending habits remain constant, how much money will you have saved that is below your budget during 10 months?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Actual Amount Spent	Percent Budgeted	Percent of Amount Actually Spent	Amount More or Less (-) Than Budget
Clothing	\$84.15	\$122.98	6.5%	9.5%	38.83
Transportation	262.79	288.68	20.3%	22.3%	25.89
Groceries	361.18	244.67	27.9%	18.9%	-116.51
Entertainment	165.70	117.80	12.8%	9.1%	-47.90
Pocket Money	53.08	80.26	4.1%	6.2%	27.18

(target: Compare budgeted amount to actual expenditures.)

8. Using a budget could help you plan your future spending. Below is a prepared budget sheet for the Johnsons. The Johnsons decreased their entertainment expense by \$45 while making adjustments to the other expenses so that the total budget remains the same. What percent of the budget for living expenses is the new entertainment amount to the nearest tenth?

$$\text{Percent\_of\_Budget} = \frac{\text{Amount\_Budgeted}}{\text{Total\_Budget}}$$

Expenses	Budgeted Amount	Total Monthly Living Expenses	Percent of Budget	Percent for Average Family	Percent More or Less (-) Than Average
Clothing	\$158.07	\$1,951.43	8.1%	6.0%	2.1%
Transportation	300.52	1,951.43	15.4%	20.6%	-5.2%
Groceries	376.63	1,951.43	19.3%	28.0%	-8.7%
Entertainment	232.22	1,951.43	11.9%	14.9%	-3.0%
Pocket Money	160.02	1,951.43	8.2%	6.1%	2.1%

(target: Compare budgeted amount to actual expenditures.)

## Using a Budget

### Answer Section

#### NUMERIC RESPONSE

1. ANS: 24.2

PTS: 1

2. ANS: 23.6

PTS: 1

3. ANS: 111.15

PTS: 1

4. ANS: 11.7

PTS: 1

5. ANS: 32.0

PTS: 1

6. ANS: 1,315.60

PTS: 1

7. ANS: 725.10

PTS: 1

8. ANS: 9.6

PTS: 1

