

Budgets

Calculate amounts spent, saved, or remaining in a budget, and find a percentage of a budget for one category.



Name _____

Date _____

Show your method

Show your working: what you added, subtracted, divided, or found a percentage of, before writing the final answer with a dollar sign.

Worked example Weekly income \$150, expenses \$95. How much is saved?

Saved = income – expenses

Saved = $150 - 95$

Saved = \$55

1. Income \$95, expenses \$62. How much is left?

Solution

$$95 - 62 = \$33$$

2. Add these expenses: \$18, \$22, \$9.

Solution

$$18 + 22 + 9 = \$49$$

3. Budget \$120, expenses \$84. Is it enough? By how much?

Solution

$$120 - 84 = 36$$

Yes, \$36 left.

4. Save \$12 each week. How much is saved in 5 weeks?

Solution

$$12 \times 5 = \$60$$

5. Weekly budget \$85. Spend \$34 on food and \$21 on transport. How much is left?

Solution

$$85 - (34 + 21) = \$30$$

6. Trip cost \$250. Save \$25 each week. How many weeks are needed?

Solution

$$250 \div 25 = 10 \text{ weeks}$$

7. A jacket costs \$60 and is discounted by 20%. Find the sale price.

Solution

$$60 \times 0.8 = \$48$$

8. An item costs \$80 before GST. Add 15% GST.

Solution

$$80 \times 1.15 = \$92$$

9. A \$400 budget is split 45% rent, 30% food, 25% savings. How much goes to rent?

Solution

$$400 \times 0.45 = \$180$$

Budgets (continued)

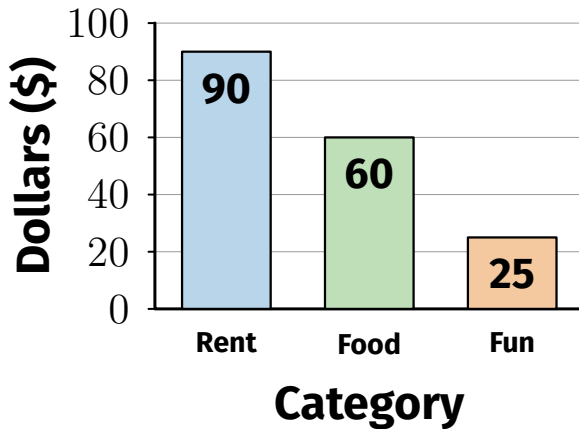
Reading charts of spending, percentage changes, and splitting a budget by ratio.



Name _____

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10. The bar chart shows one week's spending. Find the total spent on Food and Fun.



Solution

$$\begin{aligned} \text{Food} + \text{Fun} \\ &= 60 + 25 \\ &= \$85 \end{aligned}$$

11. Weekly budget \$180. Expenses: \$65, \$48, \$39. How much remains?

Solution

$$\begin{aligned} 65 + 48 + 39 &= 152 \\ 180 - 152 &= \$28 \end{aligned}$$

12. A \$90 pair of shoes is discounted by 30%. Find the sale price.

Solution

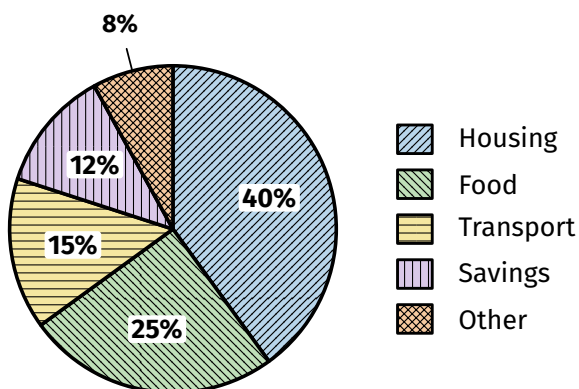
$$90 \times 0.7 = \$63$$

13. A \$250 concert budget is split 40% tickets, 35% travel, 25% food. How much for tickets?

Solution

$$250 \times 0.40 = \$100$$

14. The pie chart shows how a family's weekly income of \$400 is spent. How much is spent on Housing and Food combined?



Solution

$$\begin{aligned} \text{Housing} + \text{Food} \\ &= 40 + 25 = 65\% \\ 400 \times 0.65 &= \$260 \end{aligned}$$

15. A budget of \$960 is cut by 15%. What is the new budget?

Solution

$$960 \times 0.85 = \$816$$

16. A bike costs \$450 after a 10% discount. What was the original price?

Solution

$$450 \div 0.9 = \$500$$

17. Split a \$1500 budget in the ratio food:transport:savings = 6 : 3 : 1. How much is for transport?

Solution

$$3/10 \times 1500 = \$450$$