

1) Angelica had \$250. She bought 8 blouses at \$ $x$  each.

a) Express the amount of money she had left in terms of  $x$ .

b) If  $x = 10$  how much money did she have left?

2) Jeffrey had  $y$  sweets. He ate 8 sweets and shared the remaining sweets among his 6 cousins equally.

a) How many sweets did each cousin receive? Express your answer in terms of  $y$ .

b) If  $y = 80$ , how many sweets did each cousin receive?

3) Andrew had \$ $3z$ . James had three times as much money as Andrew. Peter had  $z$  times as much money as James.

a) How much money do the three boys have in all? Give your answer in terms of  $z$ .

b) If  $z = 4$ , how much money do the three boys have in all?

4) Jane had 100 beads. She gave  $k$  beads to each of her 4 friends.

a) How many beads did she have left? Express your answer in terms of  $k$ .

b) If  $k = 9$ , how many beads did she have left?

5) David bought 6 pens at  $\$y$  each and  $y$  writing pads at  $\$2$  each.

a) How much money did he pay altogether? Express your answer in terms of  $y$ .

b) If  $y = 2$ , how much money did he pay altogether?

6) May and Jane have  $21y$  beads altogether. May has  $5y$  more beads than Jane.

a) How many beads does May have? Express your answer in terms of  $y$ .

b) If  $y = 27$ , how many beads does each girl have?

7) Darren paid a deposit of  $\$5q$  for a refrigerator. He paid the balance in 24 monthly payments. He paid a total of  $\$23q$  for the refrigerator.

a) Find his monthly payment in terms of  $q$ .

b) Find his monthly payment if  $q = 40$ .

8) Lucy had  $\$40a$ . She bought 5 books at  $\$3a$  each and 3 plates at  $\$2a$  each.

a) How much money did Lucy have left? Express in terms of  $a$ .

b) If  $a = 4$ , how much money did she have left?