

Practice Assignment

a. Alex goes to a soccer game and can buy candy for \$1.50 and soda for \$2.25. This scenario can be modeled by the expression $1.50x + 2.25y$. Identify what the following parts of the expression represent.

1.50	price of a piece of candy
2.25	price of a soda
x	number of candy purchased
y	number of soda purchased
$1.50x$	total amount spent on candy
$2.25y$	total amount spent on soda
$1.50x + 2.25y$	total amount spent for snacks

b. Haylie loves to watch movies. She joined a movie club where she pays \$5 to join the club and each movie she watches is \$2. The expression that models her scenario is $5 + 2d$. Identify what the following parts of the expression represent.

2	price per movie
d	number of movies watched
$2d$	total spent on watching movies
5	fee to join club
$5 + 2d$	total spent on movie club

c. Oleg is on a strict budget for grocery shopping. He has set aside \$600 and has budgeted that he can spend \$75 per week on groceries. The expression that models his scenario is $600 - 75w$. Identify what the following parts of the expression represent.

600	amount he can spend on groceries
-75	amount he spends each week
w	number of weeks
$-75w$	total spent each week
$600 - 75w$	amount of money to spend on groceries remaining

d. Kylie is going shopping and finds that sweaters cost her \$25 and jeans cost her \$30. She has a coupon for 20% off her total purchase. The expression that models her scenario is $.80(25s + 30j)$. Identify what the following parts of the expression represent.

25	cost of a sweater
s	number of sweaters purchased
25s	total spent on sweaters
30	cost of jeans
j	number of jeans purchased
30j	total spent on jeans
.80	percent she pays (got 20% off)
$.80(25s + 30j)$	total price paid for sweaters and jeans