

Better Buy Bargains

Activity

Better Buy Books is having their annual sale. Their policy is to round the normal prices to the nearest dollar before they take off the sale discount, except for stationery, which is rounded to the nearest 5 cents after the discount.

SALE

Cookbooks: half price

Children's fiction: 25% reduction

DVDs and videos: 20% reduction

Stationery: 10% reduction

Games: 25% reduction

$50\% = \frac{1}{2}$

$25\% = \frac{1}{4}$

$20\% = \frac{1}{5}$

$10\% = \frac{1}{10}$

Caitlin takes her brothers Marcus and Simon and their friend Fili to the sale. Better Buy Books has signs around the shop showing some of the sale items.



- Caitlin has \$50 worth of vouchers she won in a school writing competition.
- Marcus has \$25 worth of vouchers from Christmas presents.
- Simon has saved \$18 pocket money.
- Fili has saved \$20 pocket money.

1. a. Caitlin wants to buy a cookbook and a DVD. Which cookbook can she buy?

Take off 25% off our sale again!

Penelope's Adventure \$15.99

\$7.99

Hmm ... All the cookbooks are $\frac{1}{2}$ price. The most expensive cookbook rounds to \$30.

$30 \div 2 = 15$, so I'd pay \$15 for that one. That would leave me \$35 to spend on a DVD. And I can take $\frac{1}{5}$ off the DVD price!

- b. How much change would Caitlin get if she bought *Summer Salads* and a DVD?

2. What could Marcus buy with his vouchers?
3. What book(s) could Fili buy?

Sale Price 10% less

\$1.00

30c

\$9.95

Summer Sale 25% off these prices

\$23.95

I want to buy *The Zoo Zapparoo*. What's 25% off that?

Well, 25% is $\frac{1}{4}$, so if you divide by 4, that's the discount. \$11.95 rounds to \$12. $12 \div 4 = 3$, so you get \$3 off. $12 - 3 = 9$, so you'll pay \$9!

4. If Simon wanted to spend all or nearly all his money, what could he buy?
5. a. Write a shopping list of the things you would like to buy at the sale.
- b. Work out how much it would cost to buy everything on your list.
- c. How much would you save on the full price?