



Fractions – mixed operations word problems

Grade 5 Word Problems Worksheet

1. Ryan bought a packet of 60 biscuits on Saturday. On Sunday he ate half of them. On Monday he ate 19 of them. How many biscuits did he have left for Tuesday?
2. Of the 125 children in 5th grade, three-fifths have a mobile phone. How many children do not have a mobile phone?
3. Money off coupons have been circulated to 300 households. Only $\frac{2}{5}$ of these were redeemed (used) in the local supermarket to get a free shampoo. What fraction of coupons were unused?





4. In a sale Gameboys are reduced by two-fifths. What is the sale price if the original price was \$50.00?
5. There are eight bookshelves with 44 books per shelf. How many books are there altogether? If $\frac{1}{4}$ of these books are novels, how many novels would there be?



Answers

1. $60 \times \frac{1}{2} = 30$ biscuits left on Sunday. $30 - 19 = 11$.
He had 11 biscuits left for Tuesday.
2. $125 \times \frac{3}{5} = 75$ have a phone. $125 - 75 = 50$ do not.
50 children do not have a mobile phone.
3. $\frac{5}{5} (1 \text{ whole}) - \frac{2}{5} = \frac{3}{5}$ are unused.
 $\frac{3}{5}$ of the coupons are unused.
4. $50 \times \frac{2}{5} = 20$, so the discount is \$20.
 $\$50 - \$20 = \$30$
The sale price is \$30.
5. $8 \times 44 = 352$ total books. $352 \times \frac{1}{4} = 88$
There are 352 total books, and 88 books are novels.