

Decimals word problems

Grade 5 Word Problems Worksheet

1. The first 50 buyers of the album of the acoustic band will receive a discount of \$5.36. Glazel was the 46th buyer of the album for which the original price was \$37.25. How much would Glazel pay for the album?

2. Abby's mobile phone has a storage capacity of 32 gigabytes. She used 15.50 gigabytes for 5 movies and 12 pictures on her phone. Yesterday, she downloaded 2.36 gigabytes of music videos from her favorite band. How much space was still available on her phone?

3. Honey earns money by playing online games for points. For every 1,000 points, Honey will receive \$3.34. She has earned a total of 8500 points from that online game. How much money will she receive?



4. Every transaction for online banking made on the bank website costs \$1.34. Gerry made 3 transactions while his co-worker Henry made 7 transactions on the online banking website last week. How much money did Henry pay for those transactions last week?
5. Annie spends an average of 2.77 hours on online gaming and 2.44 hours on doing other school activities online each day, 6 days a week. About how long does she spend surfing the internet in a day? In a week?
6. Cherry called her aunt via an international call with a rate of \$1.21 for the first minute of calling and \$0.35 for every other minute. If she spent 8.2 minutes chatting with her aunt abroad, how much would Cherry need to pay?

Answers

1. $37.25 - 5.36 = \$31.89$
Glazel will pay \$31.89 for the album.
2. $32 - 15.50 - 2.36 = 14.14$ gigabytes
Her phone still has 14.14 gigabytes of space available.
3. $8,500 \div 1,000 = 8.5$
 $8.5 \times 3.34 = \$28.39$
She will receive \$28.39.
4. $1.34 \times 7 = 9.38$
Henry paid \$9.38 for his online transactions.
5. $2.77 + 2.44 = 5.21$
She spends 5.21 hours surfing the internet in a day.

 $5.21 \times 6 = 31.26$
She spends 31.26 hours surfing the internet in a week.
6. $8.2 - 1 = 7.2$
 $1.21 + (7.2 \times 0.35) = 1.21 + 2.52 = 3.73$
Cherry would pay \$3.73 for her international call.