

Name: Class:

Fractions of a whole word problems

1. Last night, Angela made popcorn to eat while watching a show on Netflix. She used a cardboard to divide the tin in which she poured the popcorn into 4 equal sections. She filled 1 section with caramel popcorn and 3 sections with salt popcorn, what fraction of the tin did she fill with salt popcorn?



2. Ben is a very talented blacksmith. Yesterday, his wife gave him an iron rod to cut into 7 equal pieces. On cutting the iron rod, he mistakenly drilled holes into 2 pieces. What fraction of the iron rods did he not drill holes into?

3. Belta is a very good tailor. This morning, Mrs. Adams gave her a cloth to make her some scarves and head bands. She cuts the cloths into 10 equal pieces. She used 3 pieces to make very beautiful head bands and the rest to make attractive scarves. What fraction of the cloth did she use to make scarves?



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1. Last night, Angela made popcorn to eat while watching a show on Netflix. She used a cardboard to divide the tin in which she poured the popcorn into 4 equal sections. She filled 1 section with caramel popcorn and 3 sections with salt popcorn, what fraction of the tin did she fill with salt popcorn?

Let's write down the given information

- Number of sections in the tin = 4 (denominator)
- Number of sections filled with caramel popcorn = 1
- Number of sections filled with salt popcorn = 3 (numerator)

So, fraction of the tin filled with salt popcorn = 3 out of 4 sections = $\frac{3}{4}$ in fraction form.

Therefore, she filled $\frac{3}{4}$ of the tin with salt popcorn.



2. Ben is a very talented blacksmith. Yesterday, his wife gave him an iron rod to cut into 7 equal pieces. On cutting the iron rod, he mistakenly drilled holes into 2 pieces. What fraction of the iron rods did he not drill holes into?

Let's first of all write down the given information

- Total pieces of iron rods needed = 7 (denominator)
- Number of pieces with holes drilled on it = 2
- Number of pieces without holes drilled on them = $7 - 2 = 5$ (numerator)

So, fraction of iron rods without holes drilled on them = 5 out of 7 pieces = $\frac{5}{7}$ in fraction form.

Therefore, he did not drill holes in $\frac{5}{7}$ of the iron rods.

3. Belta is a very good tailor. This morning, Mrs. Adams gave her a cloth to make her some scarves and head bands. She cuts the cloths into 10 equal pieces. She used 3 pieces to make very beautiful head bands and the rest to make attractive scarves. What fraction of the cloth did she use to make scarves?

Total number of pieces of cloths = 10 (denominator)

Number of pieces she used for scrves = $10 - 3 = 7$ (numerator)

So, fraction of cloths she used to make scarves = $\frac{7}{10}$ in fraction form

Therefore, she used $\frac{7}{10}$ of the cloth to make scarves.

