Solve each problem using a tape diagram.

1)
On Henry's phone he has 135 songs. $\frac{7}{9}$ of the songs are alternative. $\frac{1}{2}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

1. _____

2. _____

3. _____

4. _____

2)
At Paige's Ice Cream Emporium they sold 175 ice cream cones in a day. $\frac{3}{5}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

5. _____

3)
Gwen went shopping on Black Friday. She spent $728 total. $\frac{3}{8}$ of what she spent was at Best Buy. She spent $\frac{2}{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

4)
At the school carnival $\frac{2}{8}$ of the money spent is spent on games. Of what is not spent on games, $\frac{1}{6}$ is spent on food. If $224 are spent each day at the carnival, how much is not spent on games or food?

5)
A game store had 396 amiibo they were trying to sell. They sold $\frac{1}{6}$ at normal price. Then they sold $\frac{4}{5}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

1-5 | 80 | 60 | 40 | 20 | 0

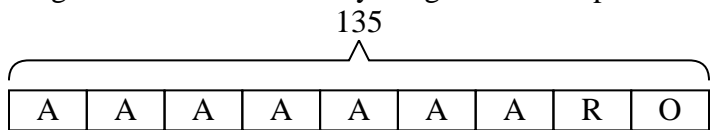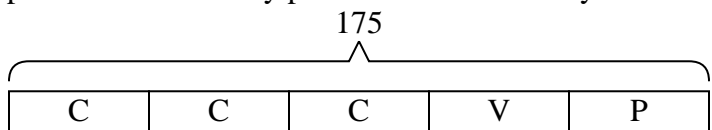**Solve each problem using a tape diagram.**

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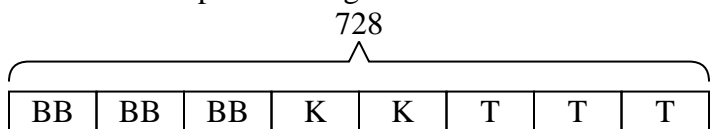
135

A	A	A	A	A	A	A	R	O

O = Other
A = Alternative
R = Rock

1. **15**

2. **35**

3. **273**

4. **140**

5. **66**

2) At Paige's Ice Cream Emporium they sold 175 ice cream cones in a day. $\frac{3}{5}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?
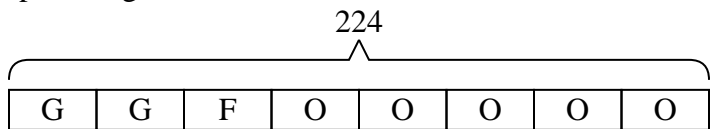
175

C	C	C	V	P

P = Pistachio
C = Chocolate
V = Vanilla

3) Gwen went shopping on Black Friday. She spent $728 total. $\frac{3}{8}$ of what she spent was at Best Buy. She spent $\frac{2}{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?
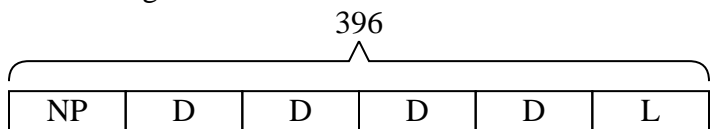
728

BB	BB	BB	K	K	T	T	T

T = Target
BB = Best Buy
K = Kohls

4) At the school carnival $\frac{2}{8}$ of the money spent is spent on games. Of what is not spent on games, $\frac{1}{6}$ is spent on food. If $224 are spent each day at the carnival, how much is not spent on games or food?

224

G	G	F	O	O	O	O	O

O = Other
G = Games
F = Food

5) A game store had 396 amiibo they were trying to sell. They sold $\frac{1}{6}$ at normal price. Then they sold $\frac{4}{5}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

396

NP	D	D	D	D	L

L = Left
NP = normal
D = Discount

1-5 | 80 | 60 | 40 | 20 | 0