Solve each problem using a tape diagram.

1) Olivia went shopping on Black Friday. She spent $468 total. $\frac{3}{6}$ of what she spent was at Best Buy. She spent $\frac{2}{3}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

1. _____

2. _____

3. _____

4. _____

2) On Carol's phone $\frac{2}{8}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{6}$ were of her cat. If she has 296 pictures on her phone, how many are not of her cat or selfies?

5. _____

3) A game store had 576 amiibo they were trying to sell. They sold $\frac{5}{8}$ at normal price. Then they sold $\frac{1}{3}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

4) On Cody's phone he has 285 songs. $\frac{1}{5}$ of the songs are alternative. $\frac{2}{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

5) At the school carnival $\frac{5}{8}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{3}$ is spent on food. If $560 are spent each day at the carnival, how much is not spent on games or food?

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

Answer Key

Solve each problem using a tape diagram.

1) Olivia went shopping on Black Friday. She spent $468 total. $\frac{3}{6}$ of what she spent was at Best Buy. She spent $\frac{2}{3}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

468

BB	BB	BB	K	K	T
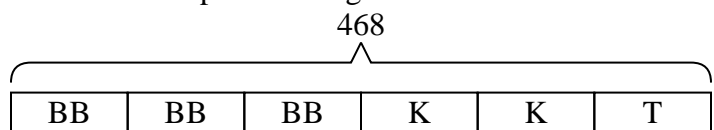
T = Target
BB = Best Buy
K = Kohls

1. _____ **78**

2. _____ **185**

3. _____ **144**

4. _____ **114**

5. _____ **70**

2) On Carol's phone $\frac{2}{8}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{6}$ were of her cat. If she has 296 pictures on her phone, how many are not of her cat or selfies?

296

S	S	C	O	O	O	O	O
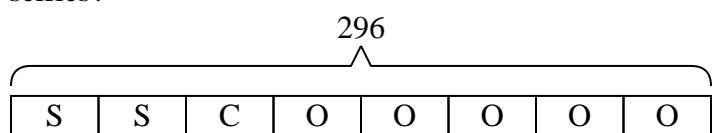
O = Other
S = Selfies
C = Cat

3) A game store had 576 amiibo they were trying to sell. They sold $\frac{5}{8}$ at normal price. Then they sold $\frac{1}{3}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?
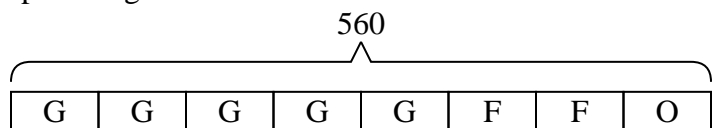
576

NP	NP	NP	NP	NP	D	L	L
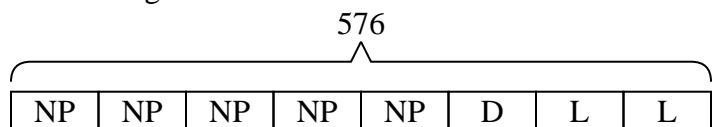
L = Left
NP = normal
D = Discount

4) On Cody's phone he has 285 songs. $\frac{1}{5}$ of the songs are alternative. $\frac{2}{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

285

A	R	R	O	O
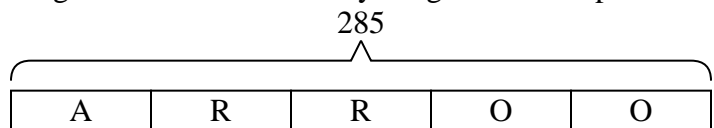
O = Other
A = Alternative
R = Rock

5) At the school carnival $\frac{5}{8}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{3}$ is spent on food. If $560 are spent each day at the carnival, how much is not spent on games or food?

560

G	G	G	G	G	F	F	O

O = Other
G = Games
F = Food