Solve each problem using a tape diagram.

1) At Bianca's Ice Cream Emporium they sold 160 ice cream cones in a day. $^{6}/_{10}$ of them sold were chocolate. $^{3}/_{4}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

2) On Luke's phone he has 266 songs. $^{4}/_{7}$ of the songs are alternative. $^{2}/_{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

3) At the school carnival $^{5}/_{10}$ of the money spent is spent on games. Of what is not spent on games, $^{4}/_{5}$ is spent on food. If $100 are spent each day at the carnival, how much is not spent on games or food?

4) On Carol's phone $^{2}/_{9}$ of the pictures were selfies. Of the other pictures on her phone $^{4}/_{7}$ were of her cat. If she has 585 pictures on her phone, how many are not of her cat or selfies?

5) A game store had 560 amiibo they were trying to sell. They sold $^{6}/_{10}$ at normal price. Then they sold $^{1}/_{4}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____

1-5	80	60	40	20	0

Solve each problem using a tape diagram.

1) At Bianca's Ice Cream Emporium they sold 160 ice cream cones in a day. $^{6}/_{10}$ of them sold were chocolate. $^{3}/_{4}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

160

C	C	C	C	C	C	V	V	V	P

P = Pistachio
C = Chocolate
V = Vanilla

2) On Luke's phone he has 266 songs. $^{4}/_{7}$ of the songs are alternative. $^{2}/_{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

266

A	A	A	A	R	R	O

O = Other
A = Alternative
R = Rock

3) At the school carnival $^{5}/_{10}$ of the money spent is spent on games. Of what is not spent on games, $^{4}/_{5}$ is spent on food. If $100 are spent each day at the carnival, how much is not spent on games or food?

100

G	G	G	G	G	F	F	F	F	O

O = Other
G = Games
F = Food

4) On Carol's phone $^{2}/_{9}$ of the pictures were selfies. Of the other pictures on her phone $^{4}/_{7}$ were of her cat. If she has 585 pictures on her phone, how many are not of her cat or selfies?

585

S	S	C	C	C	C	O	O	O

O = Other
S = Selfies
C = Cat

5) A game store had 560 amiibo they were trying to sell. They sold $^{6}/_{10}$ at normal price. Then they sold $^{1}/_{4}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

560

NP	NP	NP	NP	NP	NP	D	L	L	L

L = Left
NP = normal
D = Discount

Answers

1. **16**
2. **38**
3. **10**
4. **195**
5. **168**

1-5	80	60	40	20	0