Solve each problem using a tape diagram.

1) On Janet's phone $\frac{4}{10}$ of the pictures were selfies. Of the other pictures on her phone $\frac{4}{6}$ were of her cat. If she has 890 pictures on her phone, how many are not of her cat or selfies?

2) Rachel went shopping on Black Friday. She spent $160 total. $\frac{1}{10}$ of what she spent was at Best Buy. She spent $\frac{4}{9}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

3) A pizzeria owner sold 380 pizzas on Friday. $\frac{7}{10}$ of all the pizzas sold were pepperoni. $\frac{1}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

4) At the school carnival $\frac{3}{10}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{7}$ is spent on food. If $900 are spent each day at the carnival, how much is not spent on games or food?

5) A game store had 220 amiibo they were trying to sell. They sold $\frac{5}{10}$ at normal price. Then they sold $\frac{1}{5}$ 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

Fractions With Tape Diagram Name: **Answer Key**

Solve each problem using a tape diagram.

1) On Janet's phone $^{4}/_{10}$ of the pictures were selfies. Of the other pictures on her phone $^{4}/_{6}$ were of her cat. If she has 890 pictures on her phone, how many are not of her cat or selfies?

890

S	S	S	S	C	C	C	C	O	O

O = Other
S = Selfies
C = Cat

2) Rachel went shopping on Black Friday. She spent $160 total. $^{1}/_{10}$ of what she spent was at Best Buy. She spent $^{4}/_{9}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

160

BB	K	K	K	K	T	T	T	T	T

T = Target
BB = Best Buy
K = Kohls

3) A pizzeria owner sold 380 pizzas on Friday. $^{7}/_{10}$ of all the pizzas sold were pepperoni. $^{1}/_{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

380

P	P	P	P	P	P	P	C	O	O

O = Other
P = Pepperoni
C = Cheese

4) At the school carnival $^{3}/_{10}$ of the money spent is spent on games. Of what is not spent on games, $^{2}/_{7}$ is spent on food. If $900 are spent each day at the carnival, how much is not spent on games or food?

900

G	G	G	F	F	O	O	O	O	O

O = Other
G = Games
F = Food

5) A game store had 220 amiibo they were trying to sell. They sold $^{5}/_{10}$ at normal price. Then they sold $^{1}/_{5}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

220

NP	NP	NP	NP	NP	D	L	L	L	L

L = Left
NP = normal
D = Discount

Answers

1. **178**
2. **80**
3. **76**
4. **450**
5. **88**

1-5	80	60	40	20	0