Fractions With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) Faye 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?

2) On Robin'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?

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 Dave'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?

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) Faye 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

2) On Robin'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 Dave'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

Answers

1. 78
2. 185
3. 144
4. 114
5. 70

1-5	80	60	40	20	0

Solve each problem using a tape diagram.

1) A pizzeria owner sold 152 pizzas on Friday. $^{5}/_{8}$ 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?

2) On Carol's phone $^{1}/_{5}$ of the pictures were selfies. Of the other pictures on her phone $^{3}/_{4}$ were of her cat. If she has 465 pictures on her phone, how many are not of her cat or selfies?

3) At Maria's Ice Cream Emporium they sold 95 ice cream cones in a day. $^{3}/_{5}$ of them sold were chocolate. $^{1}/_{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

4) A store started with 96 sodas. They sold $^{3}/_{6}$ of them over the next month and they had to throw out $^{1}/_{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

5) A game store had 135 amiibo they were trying to sell. They sold $^{2}/_{5}$ at normal price. Then they sold $^{1}/_{3}$ 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) A pizzeria owner sold 152 pizzas on Friday. $\frac{5}{8}$ 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?

152

P	P	P	P	P	C	O	O

O = Other
P = Pepperoni
C = Cheese

2) On Carol's phone $\frac{1}{5}$ of the pictures were selfies. Of the other pictures on her phone $\frac{3}{4}$ were of her cat. If she has 465 pictures on her phone, how many are not of her cat or selfies?

465

S	C	C	C	O

O = Other
S = Selfies
C = Cat

3) At Maria's Ice Cream Emporium they sold 95 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?

95

C	C	C	V	P

P = Pistachio
C = Chocolate
V = Vanilla

4) A store started with 96 sodas. They sold $\frac{3}{6}$ of them over the next month and they had to throw out $\frac{1}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

96

S	S	S	E	L	L

L = Left
S = Sold
E = Expired

5) A game store had 135 amiibo they were trying to sell. They sold $\frac{2}{5}$ 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?

135

NP	NP	D	L	L

L = Left
NP = normal
D = Discount

Answers

1. **38**
2. **93**
3. **19**
4. **32**
5. **54**

1-5	80	60	40	20	0

Fractions With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) On John's phone he has 609 songs. $^{3}/_{7}$ of the songs are alternative. $^{3}/_{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

2) A pizzeria owner sold 581 pizzas on Friday. $^{1}/_{7}$ of all the pizzas sold were pepperoni. $^{4}/_{6}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

3) Janet went shopping on Black Friday. She spent $552 total. $^{1}/_{6}$ of what she spent was at Best Buy. She spent $^{3}/_{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

4) At Lana's Ice Cream Emporium they sold 144 ice cream cones in a day. $^{3}/_{8}$ of them sold were chocolate. $^{2}/_{5}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

5) At the school carnival $^{5}/_{9}$ of the money spent is spent on games. Of what is not spent on games, $^{2}/_{4}$ is spent on food. If $585 are spent each day at the carnival, how much is not spent on games or food?

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 John's phone he has 609 songs. $^{3}/_{7}$ of the songs are alternative. $^{3}/_{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

609

A	A	A	R	R	R	O

O = Other
A = Alternative
R = Rock

2) A pizzeria owner sold 581 pizzas on Friday. $^{1}/_{7}$ of all the pizzas sold were pepperoni. $^{4}/_{6}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

581

P	C	C	C	C	O	O

O = Other
P = Pepperoni
C = Cheese

3) Janet went shopping on Black Friday. She spent $552 total. $^{1}/_{6}$ of what she spent was at Best Buy. She spent $^{3}/_{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

552

BB	K	K	K	T	T

T = Target
BB = Best Buy
K = Kohls

4) At Lana's Ice Cream Emporium they sold 144 ice cream cones in a day. $^{3}/_{8}$ of them sold were chocolate. $^{2}/_{5}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

144

C	C	C	V	V	P	P	P

P = Pistachio
C = Chocolate
V = Vanilla

5) At the school carnival $^{5}/_{9}$ of the money spent is spent on games. Of what is not spent on games, $^{2}/_{4}$ is spent on food. If $585 are spent each day at the carnival, how much is not spent on games or food?

585

G	G	G	G	G	F	F	O	O

O = Other
G = Games
F = Food

Answers

1. **87**
2. **166**
3. **184**
4. **54**
5. **130**

1-5	80	60	40	20	0

Solve each problem using a tape diagram.

1) At the school carnival $^{3}/_{6}$ of the money spent is spent on games. Of what is not spent on games, $^{1}/_{3}$ is spent on food. If $438 are spent each day at the carnival, how much is not spent on games or food?

2) On Victor's phone he has 672 songs. $^{5}/_{8}$ of the songs are alternative. $^{1}/_{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

3) Janet went shopping on Black Friday. She spent $140 total. $^{3}/_{5}$ of what she spent was at Best Buy. She spent $^{1}/_{2}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

4) On Debby's phone $^{3}/_{5}$ of the pictures were selfies. Of the other pictures on her phone $^{1}/_{2}$ were of her cat. If she has 305 pictures on her phone, how many are not of her cat or selfies?

5) A pizzeria owner sold 540 pizzas on Friday. $^{2}/_{9}$ of all the pizzas sold were pepperoni. $^{6}/_{7}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

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) At the school carnival $^{3}/_{6}$ of the money spent is spent on games. Of what is not spent on games, $^{1}/_{3}$ is spent on food. If $438 are spent each day at the carnival, how much is not spent on games or food?

438

G	G	G	F	O	O

O = Other
G = Games
F = Food

2) On Victor's phone he has 672 songs. $^{5}/_{8}$ of the songs are alternative. $^{1}/_{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

672

A	A	A	A	A	R	O	O

O = Other
A = Alternative
R = Rock

3) Janet went shopping on Black Friday. She spent $140 total. $^{3}/_{5}$ of what she spent was at Best Buy. She spent $^{1}/_{2}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

140

BB	BB	BB	K	T

T = Target
BB = Best Buy
K = Kohls

4) On Debby's phone $^{3}/_{5}$ of the pictures were selfies. Of the other pictures on her phone $^{1}/_{2}$ were of her cat. If she has 305 pictures on her phone, how many are not of her cat or selfies?

305

S	S	S	C	O

O = Other
S = Selfies
C = Cat

5) A pizzeria owner sold 540 pizzas on Friday. $^{2}/_{9}$ of all the pizzas sold were pepperoni. $^{6}/_{7}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

540

P	P	C	C	C	C	C	C	O

O = Other
P = Pepperoni
C = Cheese

Answers

1. **146**
2. **168**
3. **28**
4. **61**
5. **60**

1-5	80	60	40	20	0

Solve each problem using a tape diagram.

1) At Amy's Ice Cream Emporium they sold 539 ice cream cones in a day. $\frac{1}{7}$ of them sold were chocolate. $\frac{1}{6}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

2) A game store had 402 amiibo they were trying to sell. They sold $\frac{4}{6}$ at normal price. Then they sold $\frac{1}{2}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

3) Nancy went shopping on Black Friday. She spent $180 total. $\frac{4}{6}$ of what she spent was at Best Buy. She spent $\frac{1}{2}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

4) A store started with 155 sodas. They sold $\frac{2}{5}$ of them over the next month and they had to throw out $\frac{1}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

5) On Tom's phone he has 270 songs. $\frac{4}{9}$ of the songs are alternative. $\frac{3}{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

Answers

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

1-5	80	60	40	20	0

Solve each problem using a tape diagram.

1) At Amy's Ice Cream Emporium they sold 539 ice cream cones in a day. $^{1}/_{7}$ of them sold were chocolate. $^{1}/_{6}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

539

C	V	P	P	P	P	P

P = Pistachio
C = Chocolate
V = Vanilla

2) A game store had 402 amiibo they were trying to sell. They sold $^{4}/_{6}$ at normal price. Then they sold $^{1}/_{2}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

402

NP	NP	NP	NP	D	L

L = Left
NP = normal
D = Discount

3) Nancy went shopping on Black Friday. She spent $180 total. $^{4}/_{6}$ of what she spent was at Best Buy. She spent $^{1}/_{2}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

180

BB	BB	BB	BB	K	T

T = Target
BB = Best Buy
K = Kohls

4) A store started with 155 sodas. They sold $^{2}/_{5}$ of them over the next month and they had to throw out $^{1}/_{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

155

S	S	E	L	L

L = Left
S = Sold
E = Expired

5) On Tom's phone he has 270 songs. $^{4}/_{9}$ of the songs are alternative. $^{3}/_{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

270

A	A	A	A	R	R	R	O	O

O = Other
A = Alternative
R = Rock

Answers

1. **385**
2. **67**
3. **30**
4. **62**
5. **60**

1-5	80	60	40	20	0

Fractions With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) A pizzeria owner sold 248 pizzas on Friday. $\frac{5}{8}$ 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?

2) A store started with 154 sodas. They sold $\frac{1}{7}$ of them over the next month and they had to throw out $\frac{5}{6}$ of the ones that were left because they were expired. How many sodas did they have at the end?

3) Vanessa went shopping on Black Friday. She spent $215 total. $\frac{1}{5}$ of what she spent was at Best Buy. She spent $\frac{2}{4}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

4) On George's phone he has 784 songs. $\frac{3}{8}$ of the songs are alternative. $\frac{4}{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

5) A game store had 184 amiibo they were trying to sell. They sold $\frac{5}{8}$ at normal price. Then they sold $\frac{2}{3}$ 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) A pizzeria owner sold 248 pizzas on Friday. $\frac{5}{8}$ 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?

248

P	P	P	P	P	C	O	O

O = Other
P = Pepperoni
C = Cheese

2) A store started with 154 sodas. They sold $\frac{1}{7}$ of them over the next month and they had to throw out $\frac{5}{6}$ of the ones that were left because they were expired. How many sodas did they have at the end?

154

S	E	E	E	E	E	L

L = Left
S = Sold
E = Expired

3) Vanessa went shopping on Black Friday. She spent $215 total. $\frac{1}{5}$ of what she spent was at Best Buy. She spent $\frac{2}{4}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

215

BB	K	K	T	T

T = Target
BB = Best Buy
K = Kohls

4) On George's phone he has 784 songs. $\frac{3}{8}$ of the songs are alternative. $\frac{4}{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

784

A	A	A	R	R	R	R	O

O = Other
A = Alternative
R = Rock

5) A game store had 184 amiibo they were trying to sell. They sold $\frac{5}{8}$ at normal price. Then they sold $\frac{2}{3}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

184

NP	NP	NP	NP	NP	D	D	L

L = Left
NP = normal
D = Discount

Answers

1. 62
2. 22
3. 86
4. 98
5. 23

1-5	80	60	40	20	0

Solve each problem using a tape diagram.

1) A pizzeria owner sold 216 pizzas on Friday. $^{2}/_{9}$ of all the pizzas sold were pepperoni. $^{3}/_{7}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

2) On Ned's phone he has 330 songs. $^{2}/_{5}$ 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) A store started with 432 sodas. They sold $^{5}/_{8}$ of them over the next month and they had to throw out $^{2}/_{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

4) On Emily's phone $^{3}/_{5}$ of the pictures were selfies. Of the other pictures on her phone $^{1}/_{2}$ were of her cat. If she has 215 pictures on her phone, how many are not of her cat or selfies?

5) At Robin's Ice Cream Emporium they sold 285 ice cream cones in a day. $^{2}/_{5}$ of them sold were chocolate. $^{1}/_{3}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

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) A pizzeria owner sold 216 pizzas on Friday. $^{2}/_{9}$ of all the pizzas sold were pepperoni. $^{3}/_{7}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

216

P	P	C	C	C	O	O	O	O

O = Other
P = Pepperoni
C = Cheese

2) On Ned's phone he has 330 songs. $^{2}/_{5}$ 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?

330

A	A	R	R	O

O = Other
A = Alternative
R = Rock

3) A store started with 432 sodas. They sold $^{5}/_{8}$ of them over the next month and they had to throw out $^{2}/_{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

432

S	S	S	S	S	E	E	L

L = Left
S = Sold
E = Expired

4) On Emily's phone $^{3}/_{5}$ of the pictures were selfies. Of the other pictures on her phone $^{1}/_{2}$ were of her cat. If she has 215 pictures on her phone, how many are not of her cat or selfies?

215

S	S	S	C	O

O = Other
S = Selfies
C = Cat

5) At Robin's Ice Cream Emporium they sold 285 ice cream cones in a day. $^{2}/_{5}$ of them sold were chocolate. $^{1}/_{3}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

285

C	C	V	P	P

P = Pistachio
C = Chocolate
V = Vanilla

Answers

1. **96**
2. **66**
3. **54**
4. **43**
5. **114**

1-5	80	60	40	20	0

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

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

Solve each problem using a tape diagram.

1) Faye went shopping on Black Friday. She spent $882 total. $\frac{4}{9}$ of what she spent was at Best Buy. She spent $\frac{1}{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

2) At Janet's Ice Cream Emporium they sold 408 ice cream cones in a day. $\frac{4}{8}$ of them sold were chocolate. $\frac{1}{4}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

3) On Victor's phone he has 592 songs. $\frac{6}{8}$ 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?

4) A store started with 870 sodas. They sold $\frac{7}{10}$ of them over the next month and they had to throw out $\frac{1}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

5) At the school carnival $\frac{3}{8}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{5}$ is spent on food. If $600 are spent each day at the carnival, how much is not spent on games or food?

Answers

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

1-5	80	60	40	20	0

Solve each problem using a tape diagram.

1) Faye went shopping on Black Friday. She spent $882 total. $\frac{4}{9}$ of what she spent was at Best Buy. She spent $\frac{1}{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

882

BB	BB	BB	BB	K	T	T	T	T

T = Target
BB = Best Buy
K = Kohls

2) At Janet's Ice Cream Emporium they sold 408 ice cream cones in a day. $\frac{4}{8}$ of them sold were chocolate. $\frac{1}{4}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

408

C	C	C	C	V	P	P	P

P = Pistachio
C = Chocolate
V = Vanilla

3) On Victor's phone he has 592 songs. $\frac{6}{8}$ 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?

592

A	A	A	A	A	A	R	O

O = Other
A = Alternative
R = Rock

4) A store started with 870 sodas. They sold $\frac{7}{10}$ of them over the next month and they had to throw out $\frac{1}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

870

S	S	S	S	S	S	S	E	L	L

L = Left
S = Sold
E = Expired

5) At the school carnival $\frac{3}{8}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{5}$ is spent on food. If $600 are spent each day at the carnival, how much is not spent on games or food?

600

G	G	G	F	F	O	O	O

O = Other
G = Games
F = Food

Answers

1. **392**
2. **153**
3. **74**
4. **174**
5. **225**

1-5	80	60	40	20	0