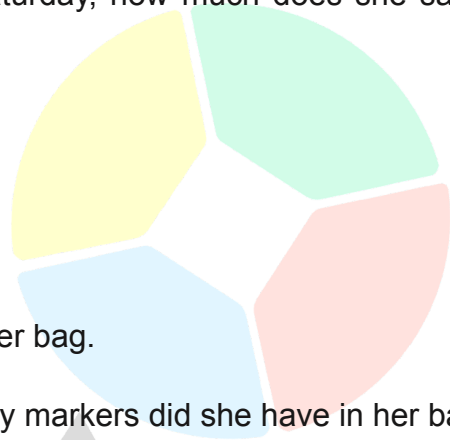


- 1 On average, Leslie saves \$38 per day from Monday to Sunday.

If Leslie saves \$36 per day from Monday to Saturday, how much does she save on Sunday?

- A \$36
- B \$38
- C \$40
- D \$44
- E \$50



- 2 Dora the Explorer kept 845 pens and markers in her bag.

If Dora had 35 fewer pens than markers, how many markers did she have in her bag?

- A 440 markers
- B 425 markers
- C 420 markers
- D 410 markers
- E 405 markers

- 3 Only 15 percent of her initial cash was left after Barbie spent some during the mall sale.

If Barbie spent a total of \$255 during the mall sale, how much money did she have initially?

- A \$320
- B \$300
- C \$275
- D \$270
- E \$260

- 4 Each serving of the recipe calls for $\frac{1}{4}$ of a kilogram of potatoes.

How many servings of the recipe can Chef Alfredo make with 6 kilograms of potatoes?

- A 4 servings
- B 6 servings
- C 12 servings
- D 24 servings
- E 36 servings

- 5 Alice bought a large bar of chocolate and shared $\frac{3}{7}$ of it to her sister.

If Alice ate $\frac{1}{4}$ of the remaining bar of chocolate, what fraction of the bar of chocolate was left?

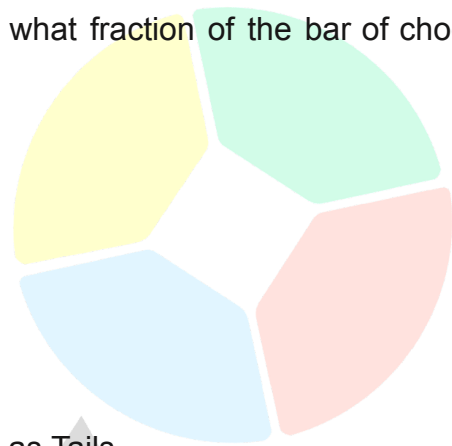
A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{3}{7}$

D $\frac{4}{7}$

E $\frac{3}{4}$



- 6 Sonic the Hedgehog has 4 times as many stickers as Tails.

If Sonic has 48 more stickers than Tails, how many stickers do the two of them have together?

A 54 stickers

B 60 stickers

C 66 stickers

D 72 stickers

E 80 stickers

- 7 The local candy store received delivery of several boxes of mini-mint candies.

There are 28 packs of mini-mint candies in each box.

If the candy store sold all the packs of mini-mint candies at 10 packs for \$5 and made \$280 from the sale, how many boxes of mini-mint candies were delivered?

A 10 boxes

B 15 boxes

C 20 boxes

D 40 boxes

E 56 boxes

- 8 Selena had \$80 in her wallet when she went to the flower shop.

If she spent \$45 on roses and \$15 on carnations at the flower shop, what percentage of her money was left?

A 10 percent

B 15 percent

C 20 percent

D 25 percent

E 40 percent

- 9 How many pieces of ribbons, each $26\frac{2}{3}$ centimetres long, can be cut from a roll of ribbon 24 metres long?

A 90 pieces
B 88 pieces
C 86 pieces
D 85 pieces
E 82 pieces

- 10 The organisers of the comic convention prepared a total of 900 pieces of souvenirs for their guests.

If each of the 154 guests took 4 pieces of souvenirs, how many pieces of souvenirs were left?

A 746 pieces
B 568 pieces
C 390 pieces
D 284 pieces
E 130 pieces

- 11 Bella Swan was born in 1996.

In what year did she celebrate her 15th birthday?

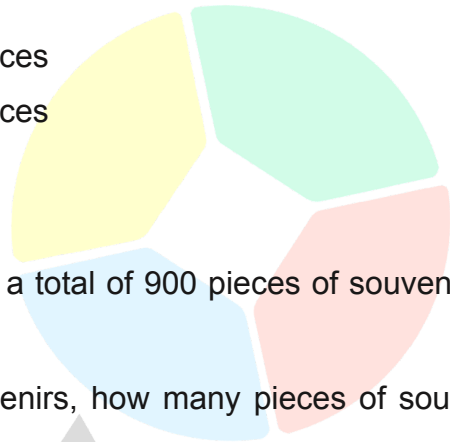
A 2010
B 2011
C 2012
D 2013
E 2014

- 12 Mr. Henderson brought \$5 200 cash at the auto show.

He spent 56 percent of his cash on some car wheels and another 22 percent on some car accessories.

How much cash did Mr. Henderson have left?

A \$1 096
B \$1 116
C \$1 144
D \$1 216
E \$1 236



- 13** Fifteen years ago, the ages of Fred Flintstone and Barney Rubble totaled 49 years.

If Barney Rubble is currently 34 years old, what is the current age of Fred Flintstone?

- A** 15 years old
- B** 25 years old
- C** 30 years old
- D** 40 years old
- E** 45 years old

- 14** Jane started cooking the slow-roasted turkey at 8:45 AM, and it must be cooked for 2 hours 40 minutes.

At what time will the slow-roasted turkey be done?

- A** 11:25 AM
- B** 11:05 AM
- C** 10:55 AM
- D** 10:35 AM
- E** 10:25 AM

- 15** Inspector Gadget went to the hardware store and bought 2 cans of paint for \$23.50 each and 4 paintbrushes for \$12.95 each.

How much did Inspector Gadget pay in all?

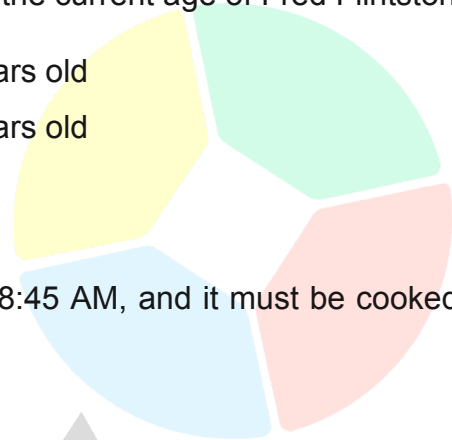
- A** \$102.40
- B** \$98.80
- C** \$84.60
- D** \$72.90
- E** \$36.45

- 16** Working alone at a constant rate, Bert can complete the task in 12 days.

Working alone at a constant rate, Elmo can complete the same task in 6 days.

If the two of them work together, each at their respective constant rates, how many days will it take to complete the task?

- A** 8 days
- B** 6 days
- C** 5 days
- D** 4 days
- E** 3 days



- 17** A small pipe can fill a container with water in 12 minutes and a large pipe can fill the same container in 10 minutes.

How many minutes will it take both pipes to fill the same container?

- A** 5 minutes
B $5\frac{5}{11}$ minutes
C $5\frac{1}{2}$ minutes
D $5\frac{7}{12}$ minutes
E $5\frac{2}{3}$ minutes

- 18** Aunt May buys 180 rose seedlings at the nursery.

She plans to plant them in 36 pots, planting 6 rose seedlings in each pot.

How many rose seedlings does Aunt May need to buy?

- A** 36 rose seedlings
B 32 rose seedlings
C 30 rose seedlings
D 28 rose seedlings
E 24 rose seedlings

- 19** Ranger Smith is currently three times as old as Yogi Bear.

Five years from today, Ranger Smith will be twice as old as Yogi Bear.

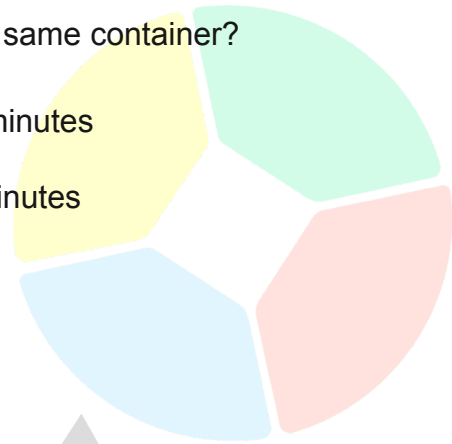
How old is Yogi Bear today?

- A** 12 years old
B 8 years old
C 6 years old
D 5 years old
E 4 years old

- 20** The Batmobile can go 144 kilometres with 8 litres of petrol.

How far can the Batmobile go with 15 litres of petrol?

- A** 288 kilometres
B 274 kilometres
C 270 kilometres
D 266 kilometres
E 260 kilometres



- 21** Snow White has a basket containing more than 12 but less than 32 apples.

When she counted the apples in the basket by four, she had three leftover apples.

When she counted the apples by five, she had two leftover apples.

How many apples are in the basket?

- | | |
|--------------------|--------------------|
| A 17 apples | D 24 apples |
| B 19 apples | E 27 apples |
| C 22 apples | |



- 22** Cookie Monster bought 12 oranges at 20 cents each, a loaf of bread for \$3.44, and a bottle of milk for \$22.55.

If he gave \$50 to the cashier, how much change should he get?

- | | |
|------------------|------------------|
| A \$20.46 | D \$22.36 |
| B \$21.61 | E \$22.71 |
| C \$22.09 | |

- 23** Alvin, Simon, and Theodore share a bar of brownies.

Alvin ate $\frac{1}{3}$ of the brownie, Simon ate $\frac{1}{2}$ of the brownie, and Theodore ate the remaining brownie.

What fraction of the brownie did Theodore eat?

- | | |
|------------------------|------------------------|
| A $\frac{1}{6}$ | D $\frac{1}{2}$ |
| B $\frac{1}{4}$ | E $\frac{2}{3}$ |
| C $\frac{1}{3}$ | |

- 24** Jack and Jill had a total of 58 pens.

If Jack had 12 more pens than Jill, how many pens did Jill have?

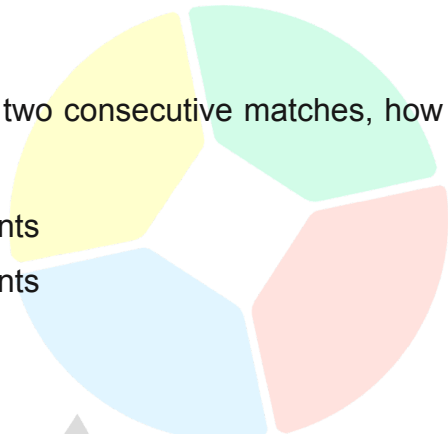
- | | |
|------------------|------------------|
| A 37 pens | D 23 pens |
| B 35 pens | E 18 pens |
| C 32 pens | |

- 25** Jacob is playing a game where each time he wins a match, his total points double, and each time he loses a match, his total points are reduced in half.

Jacob started the game with 20 points.

If he won two consecutive matches and then lost two consecutive matches, how many points did he have after those four matches?

- A** 10 points **D** 30 points
B 20 points **E** 40 points
C 25 points



- 26** The average (arithmetic mean) mass of three of the four boxes is 85 kilograms.

What must be the mass of the fourth box to raise the average mass by 2 kilograms?

- A** 87 kilograms
B 89 kilograms
C 90 kilograms
D 93 kilograms
E 95 kilograms

- 27** The pump at the service station will fill Linda's car with petrol at a rate of 2 litres per 5 seconds.

If petrol costs \$1.25 per litre, how long will it take to fill the car with \$40 worth of petrol?

- A** 20 seconds
B 1 minute
C 1 minute 20 seconds
D 20 minutes
E 1 hour

- 28** A mixed nuts snack is composed of almonds, hazelnuts, and walnuts.

By mass, $\frac{1}{3}$ of the mixed nuts snack is almonds, $\frac{3}{5}$ is hazelnuts, and the remaining 12 grams are walnuts.

What is the total mass of the mixed nuts snack?

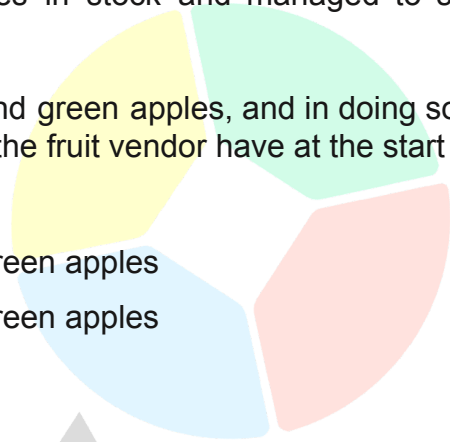
- A** 30 grams
B 36 grams
C 60 grams
D 120 grams
E 180 grams

- 29** A fruit vendor only sells red and green apples.

The fruit vendor started the day with 625 apples in stock and managed to sell 80 percent of the apples by the end of the day.

If the fruit vendor sold the same number of red and green apples, and in doing so, sold all of the red apples, how many green apples did the fruit vendor have at the start of the day?

- A** 75 green apples
- B** 125 green apples
- C** 225 green apples
- D** 325 green apples
- E** 375 green apples



- 30** Arnold, Gerald, Helga, and Phoebe went to the mall yesterday.

Arnold spent \$4 more than Gerald did, Helga spent \$12 less than Phoebe did, and Phoebe spent \$4 more than Arnold did.

How many more dollars did Gerald spend than Helga did?

- A** \$4
- B** \$6
- C** \$8
- D** \$10
- E** \$2

- 31** Princess Zelda was playing a video game and managed to complete seven levels.

Her scores in the first five levels of the game were 75, 69, 81, 90, and 73 points.

If Princess Zelda scored an average (arithmetic mean) of 80 points in all seven levels, what was her average number of points scored in the last two levels of the game?

- A** 65 points
- B** 72 points
- C** 81 points
- D** 82 points
- E** 86 points

- 32** There are 36 students in Steve Xu's selective class.

Two-thirds of the students in the class are below 12 years old and three-fourths of those below 12 years old have blue eyes.

How many students below 12 years old have blue eyes?

- | | |
|----------------------|----------------------|
| A 6 students | D 24 students |
| B 12 students | E 27 students |
| C 18 students | |

- 33** It costs \$50 to rent a boat for the first hour and \$300 for each additional hour until a customer reaches 4 hours.

After that, the rent for the boat is \$100 per hour.

If the Simpsons rented the boat for 7 hours, how much did they pay for the rent of the boat?

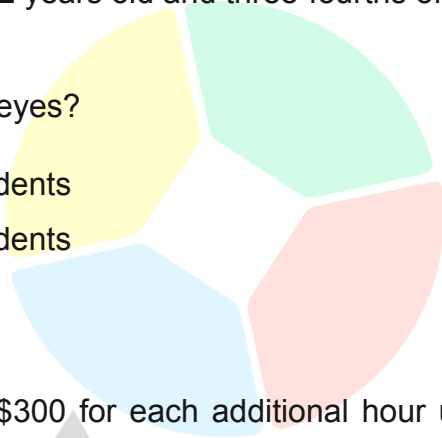
- | | |
|------------------|------------------|
| A \$1 200 | D \$1 500 |
| B \$1 250 | E \$1 550 |
| C \$1 350 | |

- 34** Amy spent a total of three hours making widgets.

She made 132 widgets in the first hour, which was twice as many widgets as she made in the second hour and three times as many widgets as she made in the third hour.

How many widgets did Amy make during those three hours?

- | | |
|----------------------|----------------------|
| A 242 widgets | D 525 widgets |
| B 312 widgets | E 622 widgets |
| C 424 widgets | |



- 35** Edison, Einstein, and Newton collected empty bottles for recycling in the ratio of 5:3:2.5, respectively.

If the three of them collected a total of 5 145 empty bottles, how many more empty bottles did Einstein collect than Newton?

- A** 128 empty bottles
- B** 212 empty bottles
- C** 234 empty bottles

- D** 245 empty bottles
- E** 288 empty bottles



Scholarly