

5 Which of these fractions is the biggest?

A $\frac{4}{5}$

D $\frac{1}{2}$

B $\frac{2}{5}$

E $\frac{1}{3}$

C $\frac{2}{3}$



6 If the Flash can run 2 kilometres in 60 seconds, how many minutes will it take the Flash to run 116 kilometres at this rate?

A 48 minutes

D 56 minutes

B 50 minutes

E 58 minutes

C 54 minutes

7 A painter poured 438 litres of paint into containers containing 3 litres each.

How many containers did the painter have?

A 148 containers

D 144 containers

B 146 containers

E 142 containers

C 145 containers

8 Devin is twice as old as Andrew.

If Devin is 64 years old, how old will Andrew be seven years from today?

A 32 years old

D 41 years old

B 34 years old

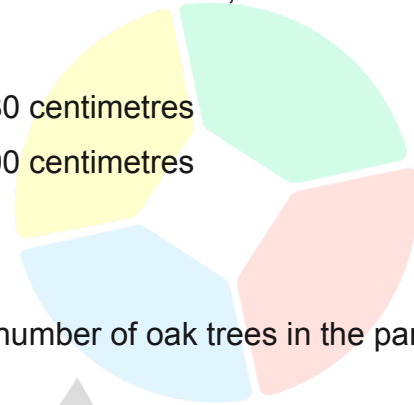
E 44 years old

C 39 years old

- 9 The combined length of the two windows is 220 centimetres.

If one window is 180 centimetres longer than the other window, what is the length of the longer window?

- A 110 centimetres
B 150 centimetres
C 160 centimetres
D 180 centimetres
E 200 centimetres



- 10 The ratio of the number of maple trees to the number of oak trees in the park is 7 to 13.

If there are 78 oak trees in the park, how many more oak trees than maple trees were there?

- A 36
B 30
C 24
D 12
E 6

- 11 If the current time is 10:55 AM, what was the time 145 minutes ago?

- A 8:45 AM
B 8:40 AM
C 8:30 AM
D 8:25 AM
E 8:20 AM

- 12 Barbie paid for the electric oven in equal monthly installments.

If Barbie paid \$115 monthly for 2 years, how much did she pay for the electric oven?

- A \$1 380
B \$1 980
C \$2 230
D \$2 480
E \$2 760

13 What is the difference between the biggest and smallest four-digit whole numbers that can be formed using the digits 2, 5, 7, and 8 only once?

A 2 578

D 6 174

B 3 426

E 8 752

C 5 168

14 If it was Friday six days ago, what day of the week would be 14 days from today?

A Wednesday

D Saturday

B Thursday

E Monday

C Friday

15 There are 67 rows of apple trees on the farm.

How many apple trees are on the farm if there are 83 apple trees in each row?

A 150 apple trees

D 4 791 apple trees

B 1 500 apple trees

E 5 561 apple trees

C 3 481 apple trees

16 There were three bottles of laundry detergent, each with a capacity of 1.85 litres, and five bottles of hand soap, each with a capacity of 820 millilitres, in Anna's kitchen.

What was the difference between the total amount of laundry detergent and the total amount of hand soap?

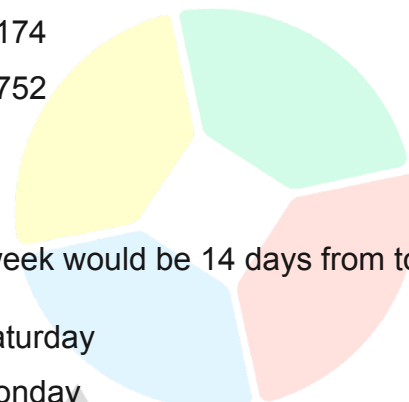
A 1.25 litres

D 1.55 litres

B 1.35 litres

E 1.65 litres

C 1.45 litres



- 17 Theodore is 25 centimetres taller than Alvin, and Simon is 8 centimetres shorter than Alvin.

If Simon is 1.43 metres tall, how tall is Theodore?

- A 1.76 metres
B 1.68 metres
C 1.6 metres
D 1.54 metres
E 1.52 metres

- 18 A box contains black and white tokens only in a ratio of 5 to 8.

If there are 40 black tokens, what is the total number of tokens in the box?

- A 64 tokens
B 96 tokens
C 102 tokens
D 104 tokens
E 114 tokens

- 19 Adam had 16 pieces of bubble gum.

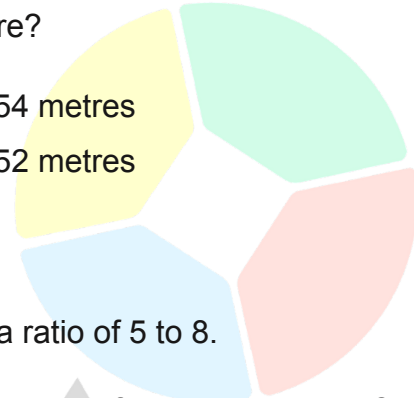
If he ate $\frac{1}{8}$ of the bubble gums and gave $\frac{1}{4}$ to her sister, how many pieces of bubble gum did he have left?

- A 8 pieces
B 10 pieces
C 12 pieces
D 13 pieces
E 14 pieces

- 20 It takes a car 10 minutes to travel a distance of 8 kilometres.

At this rate, how far can the car travel in 2 hours?

- A 72 kilometres
B 84 kilometres
C 96 kilometres
D 104 kilometres
E 120 kilometres



21 The length of a rectangular garden is twice its width.

If the length of the garden is 8 metres, what is the area of the garden?

- A 12 square metres D 32 square metres
B 16 square metres E 128 square metres
C 24 square metres

22 A container has a total capacity of 7.2 litres.

How many glasses, each with a capacity of 600 millilitres, are needed to fill the empty container?

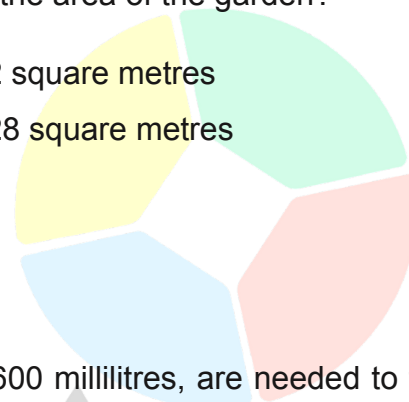
- A 8 glasses D 12 glasses
B 9 glasses E 16 glasses
C 10 glasses

23 Cinderella bought some ground pork at the market.

She used $\frac{2}{5}$ of a kilogram of ground pork to make spaghetti and $\frac{3}{10}$ of a kilogram to make lasagne.

If she had $\frac{1}{5}$ of a kilogram of ground pork left, how many kilograms of ground pork did she buy?

- A $\frac{9}{10}$ of a kilogram D $1\frac{1}{5}$ kilograms
B 1 kilogram E $1\frac{1}{2}$ kilograms
C $1\frac{1}{10}$ kilograms



24 The mass of an empty box is 0.2 kilograms.

When the box is half-filled with sand, the mass of the box is 0.7 kilograms.

What is the mass of the box when it is full of sand?

- A 1 kilogram
- B 1.2 kilograms
- C 1.25 kilograms
- D 1.4 kilograms
- E 1.5 kilograms

25 The recipe calls for $\frac{1}{3}$ of a bar of butter for every 300 grams of flour.

If Chef Alfredo accidentally used 750 grams of flour to make the recipe, how much butter should he use?

- A $1\frac{1}{2}$ bars
- B $1\frac{1}{3}$ bars
- C $1\frac{1}{4}$ bars
- D 1 bar
- E $\frac{5}{6}$ of a bar

26 If 522 students went to the library on Monday and twice as many students on Tuesday, how many students went to the library on Monday and Tuesday?

- A 1 044 students
- B 1 288 students
- C 1 322 students
- D 1 566 students
- E 2 088 students

27 If Martha can purchase four pots of petunia for \$8, how many pots of petunia can she purchase for \$32?

- A 20 pots
- B 16 pots
- C 14 pots
- D 12 pots
- E 10 pots

28 Pens cost \$4.50 each, and pencils cost \$2.25 each.

If Kermit the Frog had \$25 to spend on pens and pencils, what is the greatest possible number of pens he could buy if he buys 3 pencils?

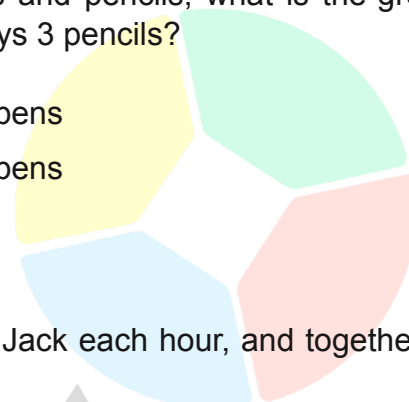
A 2 pens

B 3 pens

C 4 pens

D 5 pens

E 6 pens



29 Jill can make four times as many widgets as Jack each hour, and together they can make 35 widgets in one hour.

At these rates, how many widgets can Jack make in three hours?

A 21 widgets

B 28 widgets

C 35 widgets

D 105 widgets

E 140 widgets

30 If 15 identical machines can assemble 15 lamps in 15 minutes, how many minutes will it take for 75 such machines to make 75 lamps?

A 5 minutes

B 15 minutes

C 30 minutes

D 45 minutes

E 75 minutes

31 There are 24 students in Steve Xu's selective class.

If 18 of the students have blue eyes, what fraction of the students do not have blue eyes?

A $\frac{1}{3}$

B $\frac{1}{4}$

C $\frac{1}{6}$

D $\frac{1}{8}$

E $\frac{1}{12}$

32 Arthur has a wooden car.

If $\frac{2}{3}$ of the car is painted red, $\frac{1}{9}$ is painted blue, and the rest is painted yellow, what fraction of the car is painted yellow?

A $\frac{1}{2}$

B $\frac{4}{9}$

C $\frac{1}{3}$

D $\frac{2}{9}$

E $\frac{1}{9}$



33 A pair of shoes that regularly sell for \$64 is discounted 15 percent during the sale.

How much can you save in buying a pair of shoes during the sale?

A \$15.00

B \$12.40

C \$9.60

D \$8.80

E \$8.20

34 Blossom, Bubbles, and Buttercup shared 140 pieces of candy in a ratio of 1:2:4, respectively.

How many more pieces of candy did Buttercup get than Blossom and Bubbles together?

A 10 pieces

B 20 pieces

C 30 pieces

D 40 pieces

E 80 pieces

35 If four days from today is Sunday, what day of the week was it yesterday?

A Sunday

B Saturday

C Friday

D Thursday

E Tuesday

