1 The game between the Red Lions and the Blue Eagles began at 8:30 PM.

There were four quarters in the game and each quarter lasted for 12 minutes.

If there was a 10-minute break after each quarter, what time did the game end?

A 9:18 PM

B 9:28 PM

C 9:36 PM

D 9:48 PM

E 9:58 PM

2 Dora the Explorer walked one kilometre in 20 minutes.

How long would it take her to walk 10 kilometres at the same speed?

A 3 hours

B 3 hours 10 minutes

C 3 hours 20 minutes

D 3 hours 30 minutes

E 3 hours 33 minutes

3 A florist has 72 red roses and 48 pink roses.

If she's to make 8 bouquets out of the roses, using the same number of each type of roses in each bouquet, how many roses will be in each bouquet?

A 15 roses

B 16 roses

C 17 roses

D 18 roses

E 19 roses

4 Last month, the shop owner reduced the price of a dress by 15 percent.

Two weeks later, the shop owner increased the reduced price of the dress by 20 percent.

What is the current price of the dress if it cost $230 before the first price reduction?

A $184.00

B $195.50

C $234.60

D $241.50

E $276.00

5 J & A Transport Services shipped three boxes of widgets yesterday.

The first box had 453 widgets, the second box had three times as many widgets as the first box had, and the third box had twice as many widgets as the second box had.

What was the total number of widgets J & A Transport Services shipped yesterday?

A 4 500 widgets
B 4 530 widgets
C 4 540 widgets
D 4 560 widgets
E 4 580 widgets

6 Edward Cullen spent 40 percent of his money on his school project.

If Edward Cullen spent $35, how much money does he have now?

A $87.50
B $72.50
C $66.00
D $52.50
E $48.50

7 The office photocopier can print 20 pages of the document in 5 seconds.

At this rate, how many pages of the document can the office photocopier print in 10 minutes?

A 2 400 pages
B 2 000 pages
C 1 800 pages
D 1 600 pages
E 1 500 pages

8 Miss Henderson started marking test papers at 11:00 AM.

By 2:00 PM, she had marked 15 test papers.

If she marks the same number of test papers each hour, how many test papers had she marked by 4:00 PM?

A 5 test papers
B 10 test papers
C 15 test papers
D 20 test papers
E 25 test papers

9   The numbers below follow a pattern.

9	?	12	17	15	20

What is the missing number in the pattern?

A 10   **D** 14

B 11   **E** 16

C 13

10   Edna can read 50 pages of the book in 45 minutes.

At this rate, how long will it take her to read 195 pages?

A 180 minutes   **D** 144.5 minutes

B 175.5 minutes   **E** 128 minutes

C 160 minutes

11   Bert and Elmo agreed to share the cost of buying a radio which cost $135.50.

If Bert's share was $\frac{3}{5}$ of the cost and Elmo's share was $\frac{2}{5}$ of the cost, how much was Bert's share?

A $81.30   **D** $54.20

B $73.50   **E** $48.40

C $66.20

12   Steve Jobs, the man behind Apple products, died at the age of 56 in 2011.

In what year was he born?

A 1953   **D** 1956

B 1954   **E** 1957

C 1955
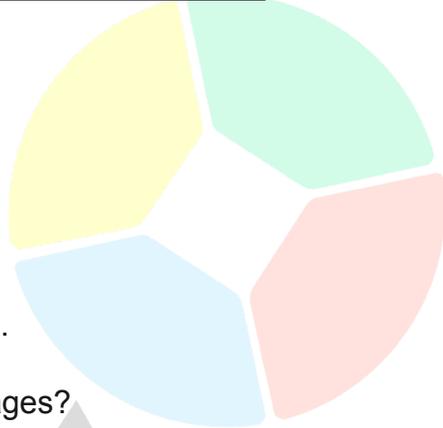
13 Rosalie bought a pack of sharpeners at $2.34 and 2 erasers priced at $1.35 each.

The sales tax on the entire purchase was $1.

If Rosalie was left with $4.96, how much money did she have at the start?

A $8

B $9

C $10

D $11

E $12

14 Jack has six times as many candies as Jill.

If Jack has 30 candies, how many candies do the two of them have together?

A 35 candies

B 70 candies

C 90 candies

D 180 candies

E 210 candies

15 Barbie went to the clothing store to buy a new blouse.

The blouse she selected was discounted by 40 percent off the original price.

What was the original price of the blouse if the discounted price was $34.44?

A $52.20

B $57.40

C $68.60

D $74.44

E $86.10

16 Jacob had only one week left to train for the marathon.

He ran 1 kilometre on Monday, 3 kilometres on Tuesday, 4 kilometres on Wednesday, 7 kilometres on Thursday, and 11 kilometres on Friday.
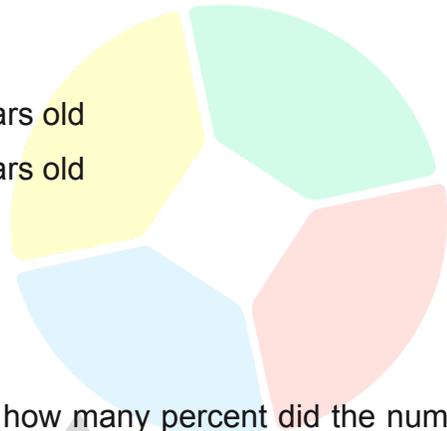
If Jacob continued this running pattern, how many kilometres would he run on Sunday?

A 15 kilometres

B 18 kilometres

C 19 kilometres

D 22 kilometres

E 29 kilometres

17 Bart is currently 14 years old, and in 12 years, his father Homer will be twice as old as he will be.

How old is Homer today?

A 32 years old

B 38 years old

C 40 years old

D 48 years old

E 52 years old

18 Last month, the Math Club had 25 members.

If the Math Club had 40 members this month, by how many percent did the number of members increase?

A 15 percent

B 24.5 percent

C 30 percent

D 37.5 percent

E 60 percent

19 Agnes takes 80 steps per minute and she moves 40 centimetres with each step.

At this rate, how far will Agnes move in two hours?

A 3.84 kilometres

B 38.4 kilometres

C 384 kilometres

D 3 840 kilometres

E 38 400 kilometres

20 The decimals below follow a pattern.

1.5	?	6.8	6.95	12.1	12.25

What is the missing decimal in the pattern?

A 6.65

B 6.45

C 1.85

D 1.65

E 1.45

21 Ed is 7 years older than Edd and Eddy is half as old as Ed.

If the average (arithmetic mean) of their ages is 16, how old is the oldest of the three?

A 24 years old

B 22 years old

C 15 years old

D 12 years old

E 11 years old

22 Batman drove from Gotham City to National City at an average speed of 50 kilometres per hour, and it took him 1 hour 30 minutes to reach National City

If Batman increases his average speed by 20 percent, he will arrive at National City how many minutes earlier?

A 25 minutes

B 20 minutes

C 18 minutes

D 15 minutes

E 10 minutes

23 Ivan left his house at 1:20 PM and reached his grandfather's house at 1:35 PM.

If he travelled at an average speed of 95 metres per minute, what is the distance between Ivan's house and his grandfather's house?

A 1.425 metres

B 14.25 metres

C 28.5 metres

D 142.5 metres

E 1 425 metres

24 Amethyst paid $25.50 for a book when it was discounted 15 percent off the regular price.

If Ruby bought the same book at a discounted price of $24.60, how much discount did Ruby get?

A 18 percent

B 20 percent

C 22 percent

D 62 percent

E 82 percent
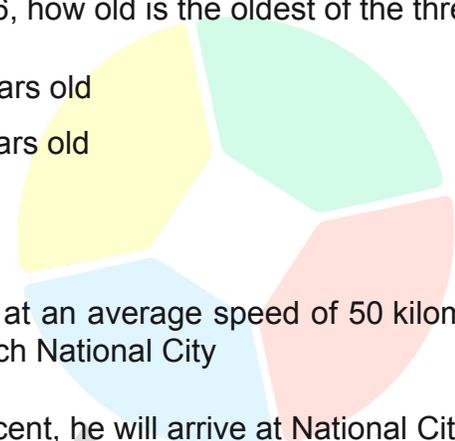
25 By mass, 60 percent of the healthy snacks are almonds, 30 percent are hazelnuts, and the rest are pistachios.

If 420 grams of the healthy snack are hazelnuts, how many grams of almonds are in the healthy snack?

A 210 grams

D 960 grams

B 480 grams

E 1 680 grams

C 840 grams
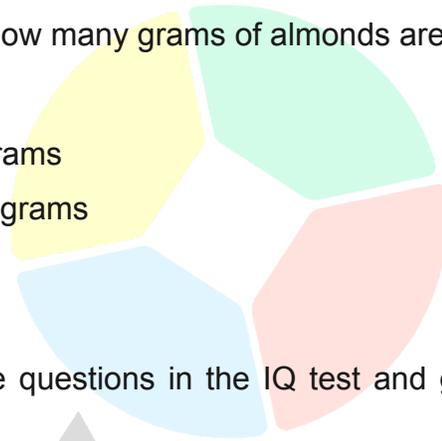
26 Dexter was able to answer 90 percent of all the questions in the IQ test and got 75 percent correct on all the questions he answered.

What percentage of all the questions in the test did Dexter answer correctly?

A 67.5 percent

D 90 percent

B 75 percent

E It cannot be determined.

C 88 percent

27 Three-fourths of the books at the library were paperbacks and the rest were hard-bound.

If there were 2 848 more paperbacks than hard-bound books at the library, what was the total number of books at the library?

A 2 136 books

D 5 696 books

B 3 642 books

E 8 544 books

C 4 272 books

28 Seven-ninths of the houses in Arnold's neighbourhood are painted red, $\frac{2}{3}$ of the remaining houses are painted blue, and the rest are painted white.

If 6 houses in Arnold's neighbourhood are painted white, what is the total number of houses in Arnold's neighbourhood?

A 60 houses

D 78 houses

B 69 houses

E 81 houses

C 75 houses

29 Jack and Jill have $985 together.

If Jack has $90 more than Jill, how much money does Jack have?

A $586.50

D $447.50

B $537.50

E $402.50

C $492.50

30 It cost $36 to fence a rectangular garden.

If the length of the garden is 2 metres longer than its width and fencing materials cost $1.50 per metre, what is the area of the garden?

A 30 square metres

D 36 square metres

B 32 square metres

E 40 square metres

C 35 square metres

31 Princess Jasmine had $234.

She donated $\frac{2}{5}$ of the money to a charity organisation and donated $\frac{1}{6}$ of the remaining amount to the local pet shelter.

How much money did she donate to the local pet shelter?

A $23.40

D $32.20

B $25.60

E $39.00

C $27.00

32 Barbie spent $\frac{3}{7}$ of her money on perfume and spent the rest of the money on 14 pairs of earrings.

If each pair of earrings cost $8, how much did she spend on the perfume?

A $72

D $84

B $76

E $96

C $82

33 If $\frac{2}{5}$ of Big Bird's money is enough to buy 40 sharpeners, how many sharpeners can he buy with $\frac{3}{4}$ of his money?

A 50 sharpeners

B 60 sharpeners

C 65 sharpeners

D 70 sharpeners

E 75 sharpeners

34 Of the 471 current members of the Book Club, $\frac{2}{3}$ are new members.

If half of the new members are males, how many new members of the Book Club are females?
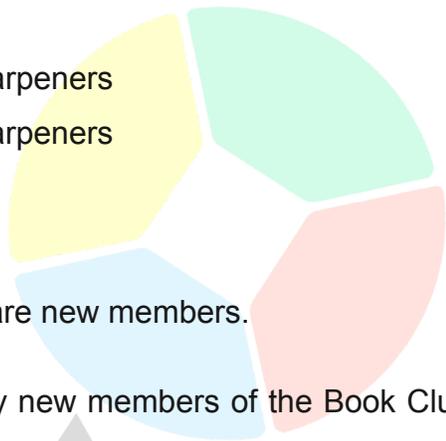
A 133

B 141

C 157

D 160

E 172

35 There are 13 animals on Old MacDonald's farm, some are geese and some are goats.

If Old MacDonald counted a total of 40 legs, how many goats are there?

A 5 goats

B 6 goats

C 7 goats

D 8 goats

E 9 goats