

- 27 Calculate the interest on a \$9 000 loan for **two** years at 3% simple interest per annum.

a \$270
b \$540
c \$1 500
d \$3 000

- 28 A machine has a principal cost of \$150 000.
Simple depreciation is applied at 15% per year.

What is the total value of the depreciation after **two** years?

a \$10 000
b \$22 500
c \$30 000
d \$45 000

- 29 What is 35% expressed as a decimal fraction?

a 0.035
b 0.35
c 3.5
d 35

- 30 What is $\frac{3}{8}$ expressed as a decimal fraction?

a 0.24
b 0.375
c 0.38
d 3.8

- 31 A chair costs \$120.
A customer has a choice of discount vouchers.

Half price	\$25 off	10% off	$\frac{1}{4}$ off
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Which discount voucher gives the cheapest price for the chair?

a Half price
b \$25 off
c 10% off
d $\frac{1}{4}$ off

- 32 On a map with a scale of 1:75000 the distance between two places is 15 cm.

What is the actual distance in km?

- a 11.25 km
- b 15 km
- c 50 km
- d 1 125 km

- 33 A gardener mixes plant feed with water using a ratio of 1:20.

He uses 2 capfuls of plant feed

How much water does he need?

- a 4 capfuls
- b 10 capfuls
- c 20 capfuls
- d 40 capfuls

- 34 A cook uses 4 oz butter to 12 oz flour.

Express the ratio of butter to flour in its simplest form.

- a 1 : 2
- b 1 : 3
- c 1 : 4
- d 1 : 8

Space for rough work

- 35 A small bottle of shampoo contains 25 cl.

How many of these bottles can be filled from a 2 litre bottle?

- a 8
- b 12
- c 50
- d 80

- 36 A pet shop owner has a 15 kg bag of dry dog food.
She uses this to make 50 g sample packs.

How many sample packs can he make?

- a 30
- b 75
- c 300
- d 750

- 37 The time in Paris, France is seven hours ahead of Kingston, Jamaica.

What time is it in Paris when it is 11 am in Jamaica?

- a 4 am
- b 6 am
- c 6 pm
- d 8 pm

- 38 The table shows weather data for 10 states in the USA.

State	Total annual hours of sunshine	Average summer temperature °C	Annual rainfall ml
Alabama	2641	25.9	1480
Arkansas	2771	26.0	1284
Florida	2927	27.2	1385
Georgia	2986	25.9	1287
Louisiana	2649	27.2	1528
Mississippi	2720	26.4	1499
Oklahoma	3089	26.4	927
South Carolina	2826	25.8	1264
Texas	2850	27.3	734
Arizona	3806	25.6	345

Which state had the highest average summer temperature?

- a Arizona
- b Florida
- c Louisiana
- d Texas

39 This table shows the driving distance in kilometres between some European cities.

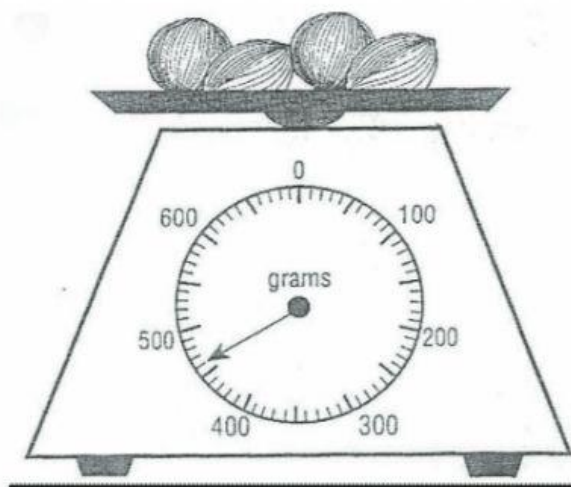
Amsterdam

160	Antwerp						
3 082	2 766	Athens					
1 639	1 465	3 312	Barcelona				
649	723	2 552	1 899	Berlin			
875	704	2 627	913	986	Bern		
209	46	3 021	1 419	782	655	Brussels	
385	211	2 976	1 399	936	854	212	Calais
280	237	2 562	1 539	575	583	219	431 Cologne

What is the distance between Barcelona and Calais?

- a 3 312 km
- b 1 899 km
- c 1 419 km
- d 1 399 km

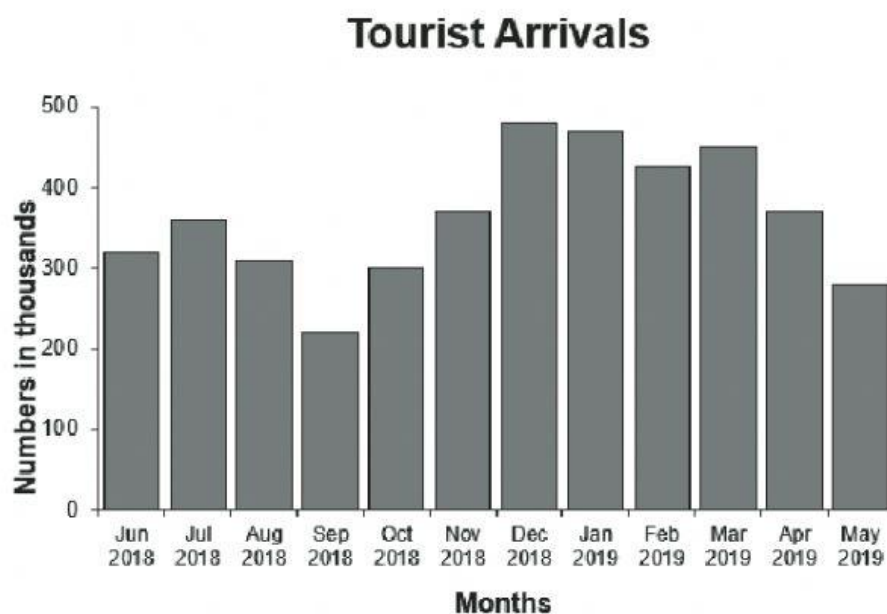
40 The picture shows the dial on a weighing scale.



What is the weight shown on the dial?

- a 406 g
- b 460 g
- c 504 g
- d 540 g

- 41 The chart shows the numbers of tourist arrivals in Jamaica each month from June 2018 to May 2019.

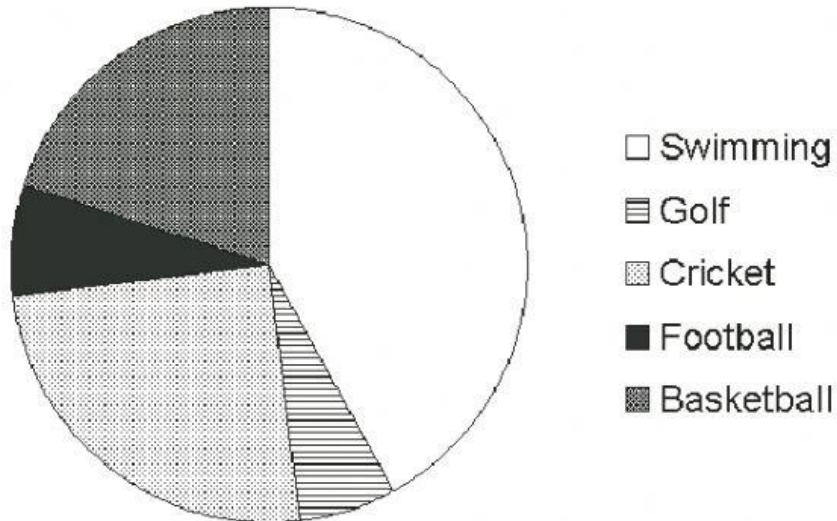


Which statement is true?

- a The number of tourists is increasing.
- b The lowest number of tourists was in May 2019.
- c There were twice as many tourists in December than November.
- d There is not enough information to compare this year with last year.

- 42 The pie chart shows the results of a survey about leisure activities.

Leisure Activities



Which statement is true?

- a Half of the people prefer swimming.
 - b More people prefer football than basketball.
 - c More people prefer golf than cricket.
 - d A quarter of the people prefer cricket.
- 43 The table shows the weights of some parcels.

Weight kg	1.0	3.0	2.0	1.5	5.0	3.5	3.5	2.5	4.0
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What is the mode?

- a 3.0 kg
- b 3.5 kg
- c 4.0 kg
- d 5.0 kg

- 44 The table shows the price of an item in different shops.

Price	\$18	\$15	\$18	\$22	\$29	\$18	\$21	\$19	\$20
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What is the median price of the item?

- a \$18
 - b \$19
 - c \$20
 - d \$29
- 45 The table shows the number of ice creams sold each day.

Number sold	75	90	67	98	86	89	82
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What is the range of these numbers?

- a 7
 - b 23
 - c 31
 - d 98
- 46 There are 10 sweets in a bag.
Six are orange and four are lemon.
- What is the probability that the first sweet you take will be orange?

- a $\frac{1}{6}$
- b $\frac{2}{3}$
- c $\frac{1}{5}$
- d $\frac{3}{5}$

- 47 Use this formula to find the volume of a cone (V).

$$V = \pi r^2 \frac{h}{3}$$

When π is 3.14, radius (r) is 3 cm and height (h) is 9 cm.

- a 28.26 cm³
- b 30.14 cm³
- c 56.52 cm³
- d 84.78 cm³

48 Solve the equation $6 + 3y = 30$

- a $y = 2$
- b $y = 8$
- c $y = 10$
- d $y = 12$

49 Solve the equation $2x - 2 = 40$

- a $x = 19$
- b $x = 20$
- c $x = 21$
- d $x = 22$

50 A company gives a discount off the total cost of an order for prompt payment. A customer orders N items at price P each and the discount is \$5.

Which is the correct formula for the total cost in dollars (T)?

- a $T = N \times P - 5$
- b $T = N \times P \times 5$
- c $T = N + P \times 5$
- d $T = N \times P + 5$