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

   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

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	2 641	25.9	1 480
Arkansas	2 771	26.0	1 284
Florida	2 927	27.2	1 385
Georgia	2 986	25.9	1 287
Louisiana	2 649	27.2	1 528
Mississippi	2 720	26.4	1 499
Oklahoma	3 089	26.4	927
South Carolina	2 826	25.8	1 264
Texas	2 850	27.3	734
Arizona	3 806	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.
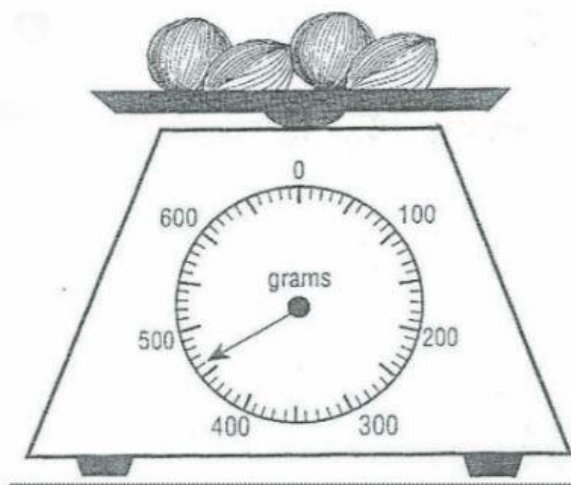
Amsterdam

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
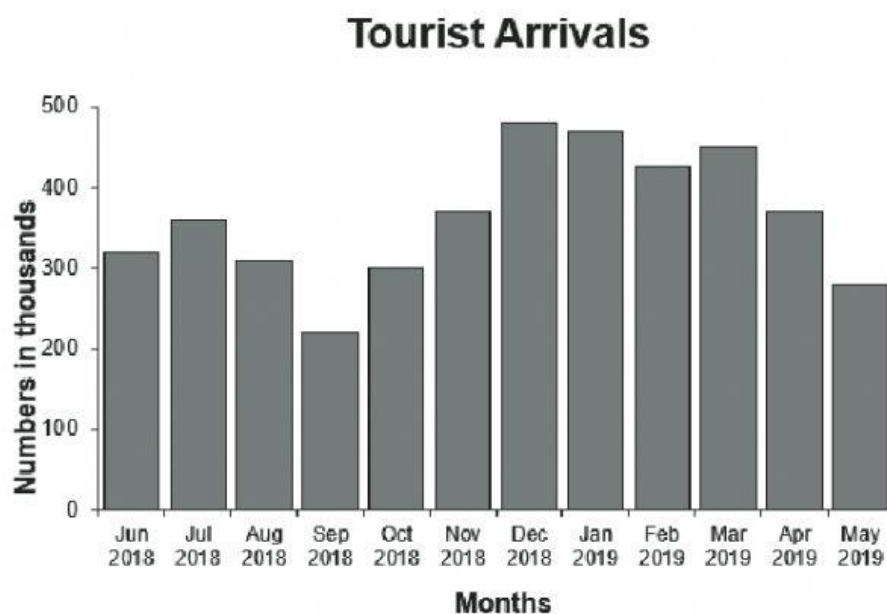
See next page

LIVEWORKSHEETS

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
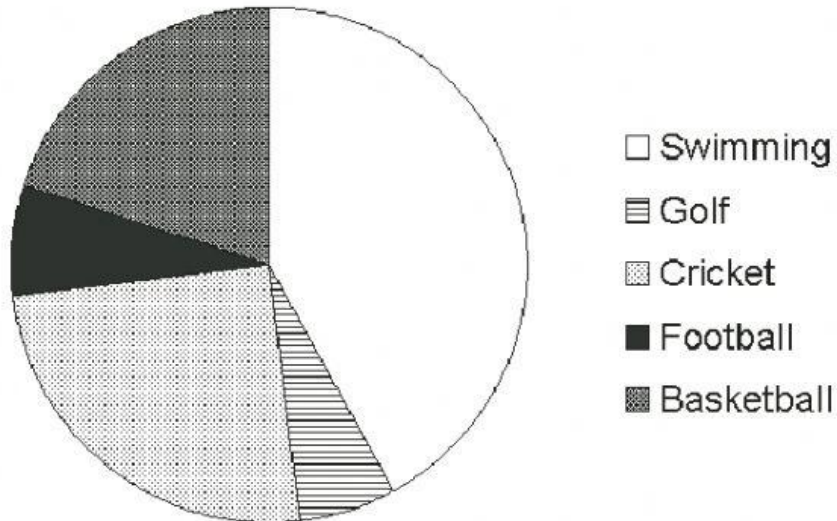   June 2018 to May 2019.

Tourist Arrivals

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

☐ Swimming
☰ Golf
▨ Cricket
■ Football
▨ Basketball

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

What is the mode?

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

14

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

Price	$18	$15	$18	$22	$29	$18	$21	$19	$20

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

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 $\dfrac{1}{6}$

b $\dfrac{2}{3}$

c $\dfrac{1}{5}$

d $\dfrac{3}{5}$

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 cm^3
b   30.14 cm^3
c   56.52 cm^3
d   84.78 cm^3

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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 x P – 5
    b   T = N x P x 5
    c   T = N + P x 5
    d   T = N x P + 5