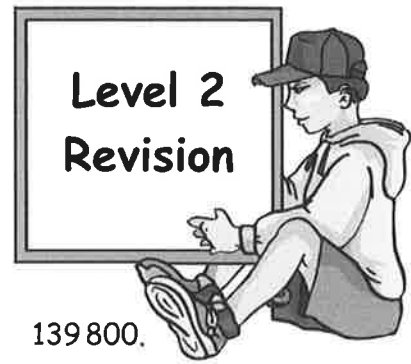


CHAPTER 0

ALL Level 2 Revision



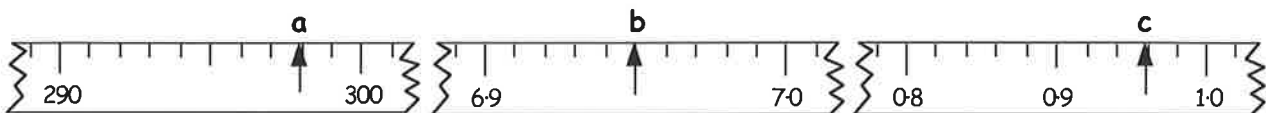
- Round to the nearest 1000 :- a 17 499 b 139 800.
- Copy :- The answer to $12874 + 6790$ is about $13000 + \dots\dots$ which equals $\dots\dots$.
- Write the number that comes :- a 300 after 9700 b 500 before 13100
- Write the number 620 010 in words.
- Find the following :-
 a $\begin{array}{r} 2790 \\ + 860 \end{array}$ b $24884 + 7608$ c $\begin{array}{r} 6000 \\ - 258 \end{array}$ d $22080 - 7592$.

- Find the following :-
 a $\begin{array}{r} 4023 \\ \times 6 \end{array}$ b 13090×9 c $\begin{array}{r} 7 \overline{) 6594} \end{array}$ d $53568 \div 8$.

- 6 identical bottles hold 2730 millilitres.
How much does 1 bottle hold ?



- To what numbers do these arrows point ?



- Write down the answers to the following :-
 a 406×1000 b $503\,200 \div 100$ c 322×3000 d $9\,640\,000 \div 400$.

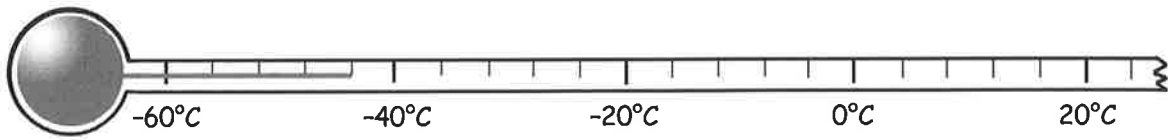
- I am thinking of a number.
When I multiply it by 40 and add on 1000 the answer is 4200.
What was the number I was thinking of ?



- Round :-
 a 209.555 to the nearest whole number
 b 0.076 to 1 decimal place.
 c 13.8986 to 2 decimal places.

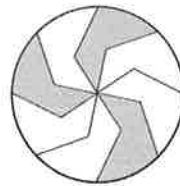
- Do the following :-
 a $27.6 + 4.85$ b $230.71 - 45.9$ c 6.09×8 d $41.28 \div 3$.

13. Find :-
 a $40 \cdot 607 \times 100$ b $220 \cdot 8 \div 1000$.
14. Find :-
 a $21 - 15 \div 3$ b $6 + 24 \div 6 - 2$.
15. What is the temperature on this thermometer ?



16. Find :-
 a $6 - 9$ b $-8 + 12$ c $3 + (-10)$ d $(-15) - 5$.
17. Write down the next **two** numbers in these patterns :-
 a 16, 20, 24, 28, ... b 85, 78, 71, 64, ... c 20, 15, 10, 5, ... d 1, 4, 16, 64, ...
18. Write down the first six **multiples** of 9.
19. Write down all the **factors** of 30.
20. Write down all the **prime** numbers between 40 and 60.

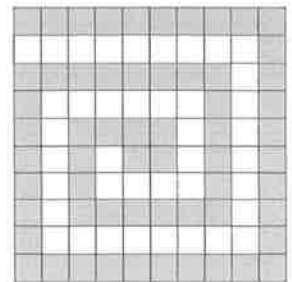
21. What **fraction** of this shape is shaded ?



22. What **fraction** of these coins are copper ?



23. What **percentage** of this square has been shaded ?



24. At a birthday party, 35% present were men, 55% were women and the rest were children. What **percentage** were children ?

25. Write down any **fraction** equivalent to $\frac{4}{5}$.

26. Simplify the fraction $\frac{30}{42}$ as far as possible.

27. What is $\frac{3}{5}$ of £4.50 ?

28. Rewrite these numbers in order, putting the **largest** first :- $\frac{3}{4}$, 70%, 0.8.
29. Express 44% as a **fraction**, simplifying it as far as possible.
30. Find 20% of £3.70.
31. Lara scored 24 out of 30 in a test. What **percentage** is this ?

32. Dave has a £20 note, two £10 notes and a two £5 notes in his wallet.
He buys 2 shirts at £12.75 each, 3 ties at £6.50 each and a tie pin costing £3.50.
How much will he have left ?



33. Which of these packs gives the better deal ? (Explain your answer)



Pack of 9
- £3.60



Pack of 8
- £3.36

34. I changed £600 into American dollars when the rate was :-
How many dollars did I receive ?

£1 = \$1.50

35. A fashion shop bought in 10 ladies fur lined jackets for £375.
The jackets were sold priced £49.50.
How much **profit** did the shop make altogether if all were sold ?

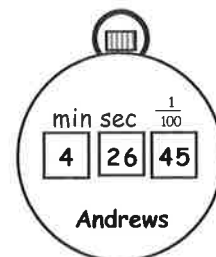


36. A TV Drama ended at 19:55. Write this in 12 hour form, using am or pm.
37. Change 255 minutes into hours and minutes.

38. Jill went for a 2 mile jog. The first mile took her 6 mins 55 secs.
The second took her 7 mins 20 secs.
How long did Jill's two mile jog take her **altogether** ?



39. Buckie ran a mile in 4 mins 23.85 seconds.
Andrews ran it in the time shown on the stopwatch.
Who was faster and by how much ?



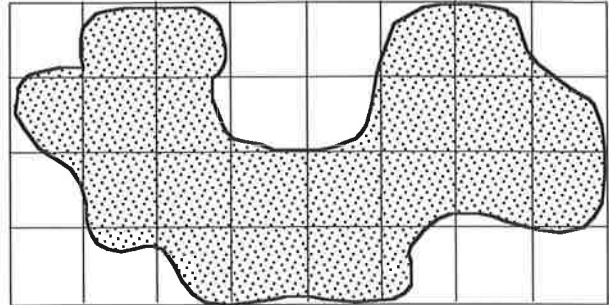
40. The show at the theatre began at 19:35 and finished at 22:20.
How long did the performance last ?

41. A yacht sailed 65 miles across to the island in 5 hours.
Calculate the yacht's **average speed**.



42. Estimate the **width** of your TV set at home in centimetres.

43. Estimate the **area** of this shape in cm^2 .



44. **Measure** this line and express your answer in 3 different ways.



45. Change 365 centimetres to **metres**.

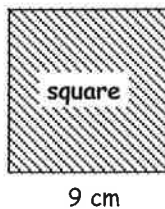
46. Change 5 kilograms and 45 grams to **grams**.

47. How many **millilitres** are there in $3\frac{3}{4}$ litres ?

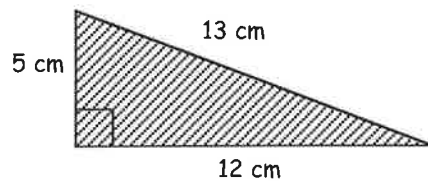
48. Ted walked $2\frac{1}{2}$ kilometres to the post office and a further 1200 metres to the bank. How far had he walked altogether ?

49. Write down the **areas** of these two shapes :-

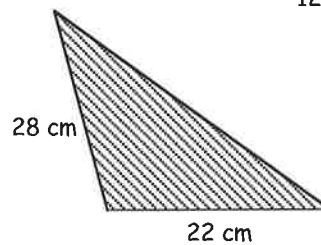
a



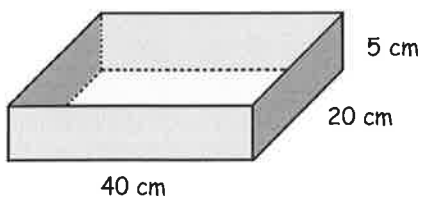
b



50. The **perimeter** of this triangle is 85 cm. Calculate the length of the 3rd side.



51.



How many **litres** will this tray hold when full ?

52. This table shows the connection between the number of biscuits in a packet (B) and the weight in grams of the packet (W). Find the **formula** connecting them.

Number of biscuits (B)	1	2	3	4	5
Weight in grams (W)	18	36	54	72	90

$W = \dots\dots\dots$

53. This table shows the connection between the volume (V) litres of water in a bath, (which already has water in it), (t) minutes after the tap is turned on. Find the **formula** connecting them.

Number of minutes (t)	1	2	3	4	5
Volume in litres (V)	38	44	50	56	62

$V = \dots + \dots$

54. Solve these equations for x .

a $x + 8 = 15$

b $6x = 42$

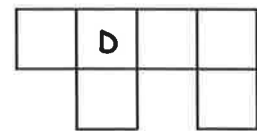
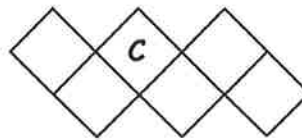
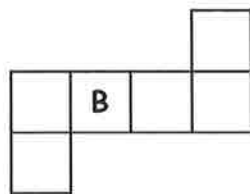
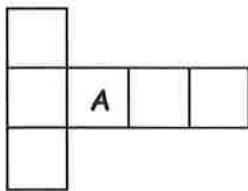
c $4x - 1 = 23$.

55. Write down all the solutions for $y \leq 1$ from the set of possibilities - $\{-3, -2, -1, 0, 1, 2, 3\}$.

56. Write down three things that make a square **different** from a rhombus.

57. How many **edges** has a triangular based pyramid ?

58. Which one of these is **NOT** the net of a cube ?

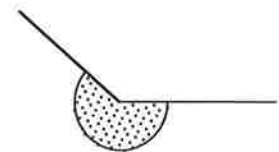


59. What **type** of angles are these ?

a

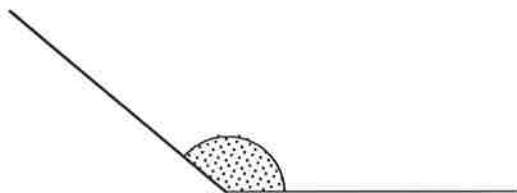


b

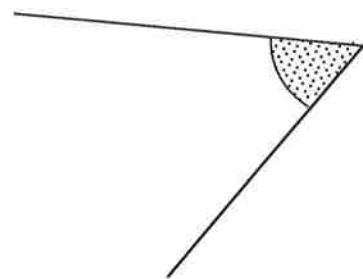


60. Measure these angles and write down their sizes :-

a

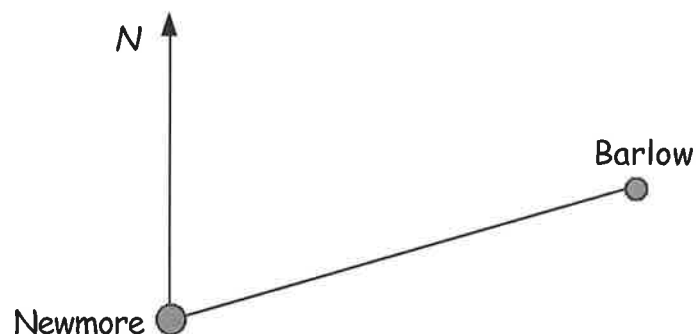


b

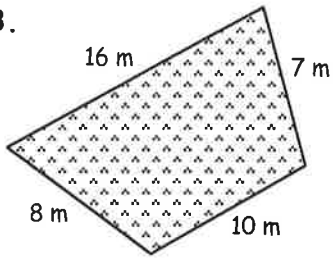


61. On a compass, what direction is directly opposite **South East** ?

62. Measure and write down the **bearing** of Barlow from Newmore.



63.



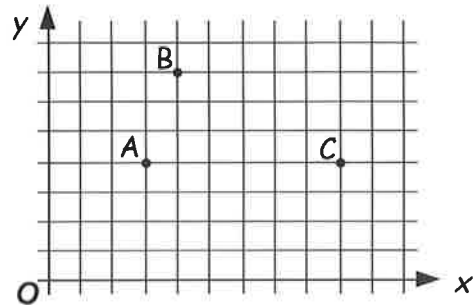
I want to make a scale drawing of this plot of land on this page.

Which would be the **most appropriate** scale to use ?

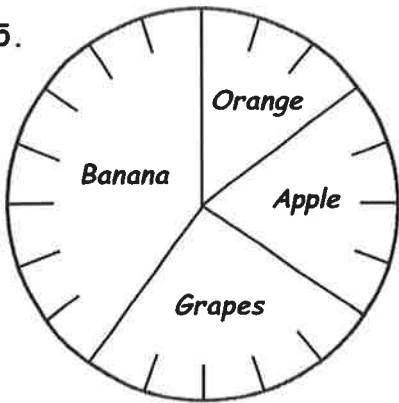
- A 1 cm = 20 m B 1 cm = 10 m
 C 1 cm = 2 m D 1 cm = 0.5 m ?

64. a Write down the **coordinates** of point A.

b Write down the **coordinates** of a 4th point, (call it D), so that ABCD is a kite with AC a line of symmetry.



65.



This pie chart has 20 sectors.

It shows the piece of fruit chosen by pupils in the lunch hall.

- a What **percentage** of the pupils chose grapes ?
 b There were 120 boys in the lunch hall who chose a fruit.
 How **many** of them chose grapes ?

66. An 8-sided dice numbered 1 to 8 is spun.

What is the **probability** it will land showing a number larger than a 5 ?



67. The probability I will catch a cold this year is 0.65.

What is the **probability** I will **NOT** catch a cold ?

68. **Copy and complete** both shapes so that the dotted line is a **line of symmetry** each time.

