

Non-Calculator Revision



What are we doing?

- You will need a partner for this activity.
- We will cover 9 topics: number, FDP, addition and subtraction, multiplication and division, measures, 2d shape, 3d shape, angles and handling data.
- You will be given 4 minutes to work independently on each section. You will then have a further 2 minutes to share answers with your partner. You must decide on an answer as a team, explaining to your partner how you reached the answer.
- Points will be added for sensible behaviour and excellent explanations, but beware, points can be deducted for calling out or not focusing!
- PLEASE SELECT A PARTNER, A PIECE OF PAPER, A WHITEBOARD AND A TEAM NAME!

Properties of number

1. What is 16379 rounded to the nearest hundred?
2. What is $382 \div 100$?
3. The temperature in NSC was 7° and decreased by 11° overnight. What is the new temperature?
4. Complete this sequence: 0.35 0.48 0.61 0.74...?
5. Which of the following numbers are 1 less than a multiple of 7: 18 27 48 75 13
6. What is the first prime number after 14?



Fractions, decimals and percentages



1. $\frac{3}{4}$ is equivalent to $?/20$
2. What is $18/42$ in its simplest form?
3. Arrange these fractions in ascending order: $5/8$ $\frac{3}{4}$ $\frac{1}{2}$ $9/16$
4. Change $27/8$ to a mixed number
5. Change $6 \frac{7}{11}$ to an improper fraction
6. Arrange these decimals in ascending order: 1.05 1.3 1.21 1.006
7. What is $3/10$ as a decimal and a percentage?
8. Find $4/5$ of 60
9. Deduct 15% from £42
10. Lenny has 3 green marbles to every 4 red marbles. If he has 20 red marbles, how many green marbles does he have?



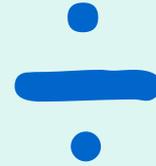


Addition and Subtraction



1. Sally has £3159 in her bank account. She withdraws £1374. how much is left in the account?
2. What is 1.25 added to 14.6?
3. $7.1 - ? = 2.8$
4. Find the difference between 729 and 42.6
5. Jon walks for 1.6km. He rests for a few minutes then walks a further 1400m. How far has he travelled?

Multiplication and Division



1. $15 \times 99 =$

2. $2.38 \times 3 =$

3. How many 6s are in 456?

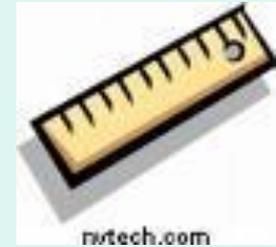
4. There are 28 nails in a bag, and 35 bags in a box. How many nails are there in 2 boxes?

5. A bus holds 14 passengers. How many buses are needed for 87 passengers?

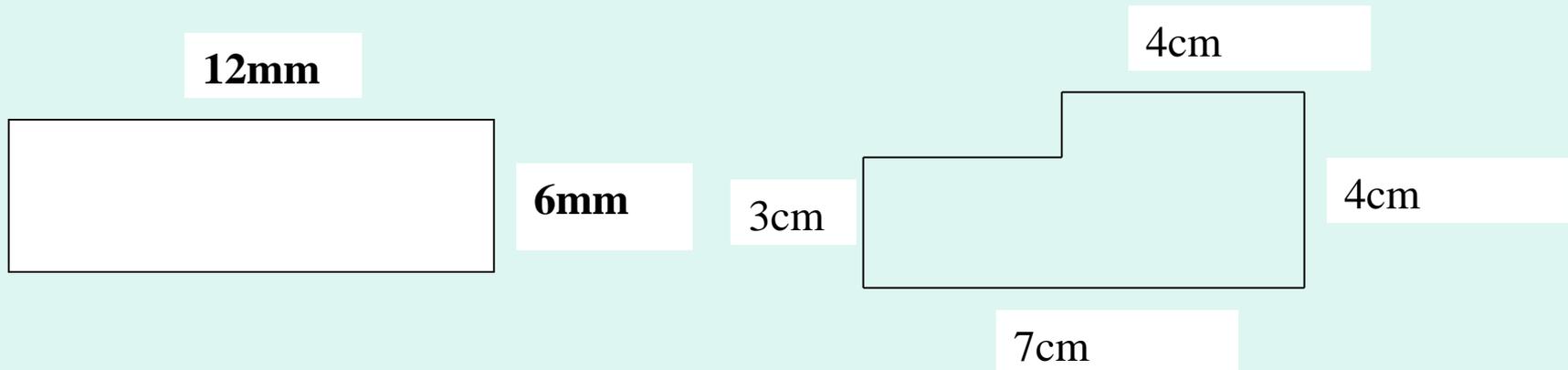
6. What is the product of 1574 and 8?



Measures

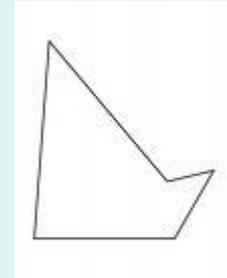
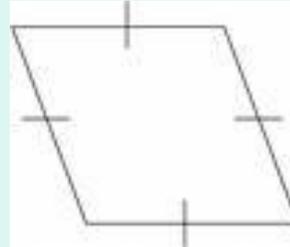
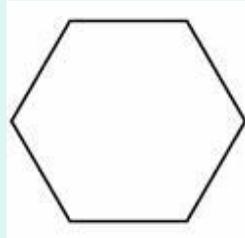
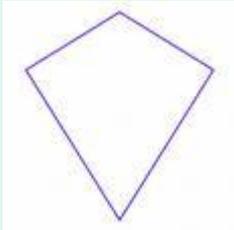


1. $1.9\text{l} = ? \text{ml}$
2. A ribbon is 1.8m long. 136cm is cut off. How long is the ribbon now?
3. I start watching a tv programme at 7.45 . It lasts for 40 minutes. What time does it finish?
4. What length is the other side of a rectangle if one side is 8cm and the area is 72cm^2 ?
5. Find the area and perimeter of these rectangles:

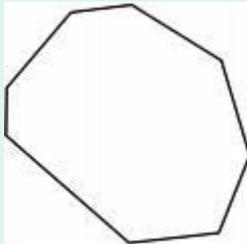


2D Shapes

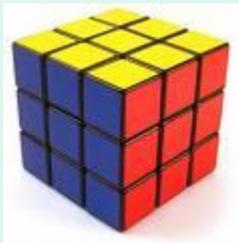
- Which of the following are quadrilaterals?



- What shape is this:



- Describe right angled, isosceles and scalene triangles.



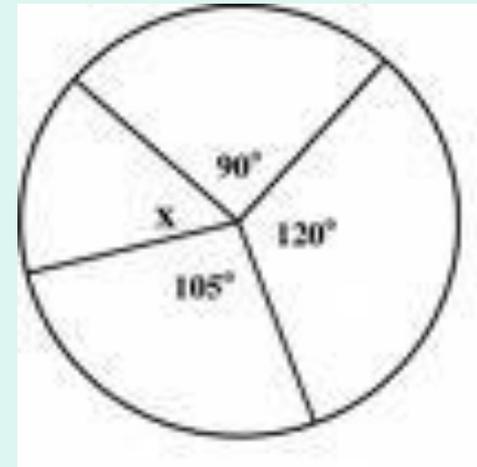
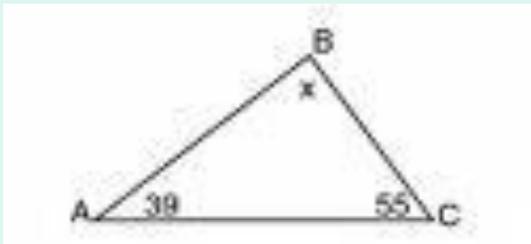
3D Shapes



1. How many vertices on a triangular based prism?
2. How many faces on a cuboid?
3. How many edges on a square based pyramid?

Angles

- Calculate the missing angles:



(Or find x Alex C!)

Handling Data



The number of goals scored in netball matches by NSC:

3 1 0 2 3 4 0 1
2 4 1 5 0 1 3

Find the mean, median, mode and range.