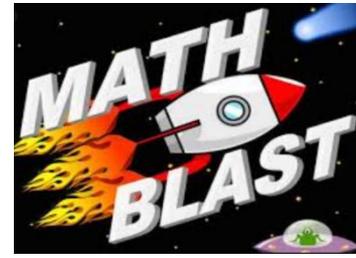




MATHS BLAST Activity

To support our fluency across the maths curriculum. In addition to the White Rose content will be daily ‘maths blasts’. This week’s work includes quite a lot of non number maths as we need a some practise. These are designed to take between 5 and 15 minutes. Feel free to simply write the answers if you can calculate mentally. Answers are available on request.

Day 1



1. Two square tiles are placed side by side. How many square tiles are needed to surround them completely?
2. What are the properties of a rectangle?
3. Draw an accurate rectangle.
4. Name a 3D shape with a rectangular face.
5. Name another 3D shape with a rectangular face.

Work out the price of the following journeys:

Single Bus Fares From My House

6. To the swimming pool and back.
7. Three tickets to the swimming pool.
8. 8 tickets to the cinema.
9. 10 tickets to school.
10. 2 tickets to the cinema and 2 tickets to school.

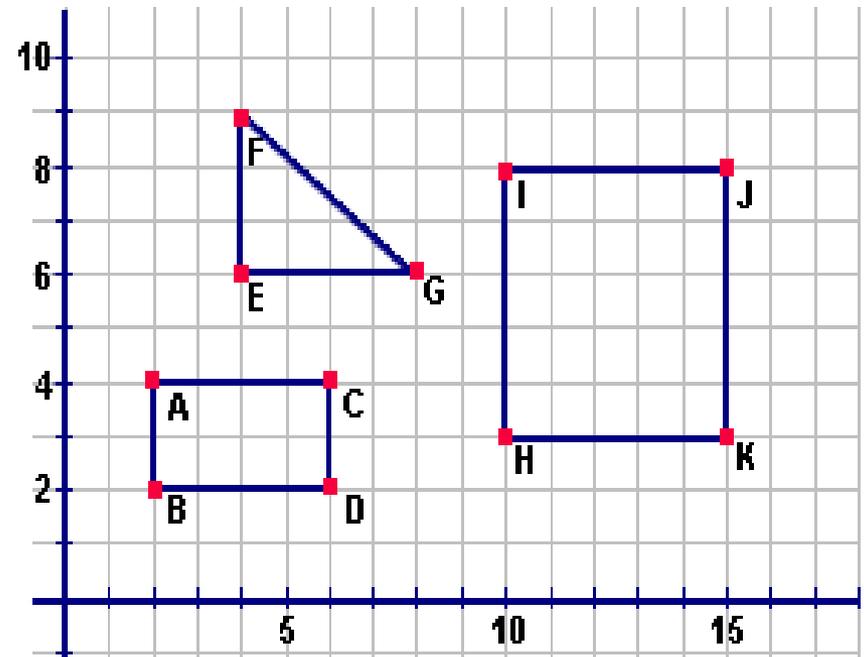
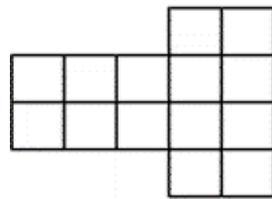
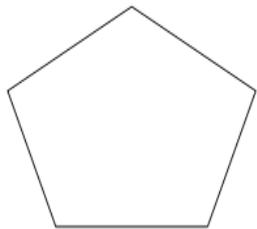
Shopping centre £1.30
School 35p
Cinema 50p
Swimming pool £1.20

Day 2



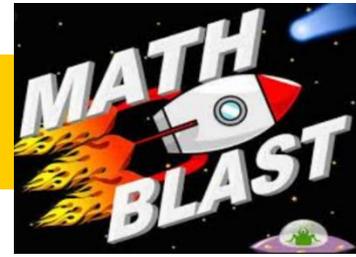
1. $7.3 + 8.5$
2. Half of 96
3. Half of 0.96
4. I think of a number, halve it, then add 0.6 I get the answer 3.0 . What number did I start with?
5. How did you work out your answer?
6. Find the area of each shape on drawing A.
7. Name some properties of a regular pentagon.
8. What is the perimeter of the irregular shape below?

A



9. Write down the coordinates of all of the points on the grid.

Day 3



1. $2672 \div 6 =$ (fraction and decimal remainders).
3. 283×4 or 347×3 . Which gives the larger product?
4. How many numbers < 100 are multiples of 3 and 5?
5. $0.? \times ? = 2$ How many different ways can this be completed?
6. Round 2.83 to the nearest integer.
7. What does the digit 6 represent in the following numbers: 6.7l, 0.6km 0.06Km?
8. Which is larger: 200g or 0.199kg ?
9. How do you know?
10. How many grams is equivalent to 0.35kg?

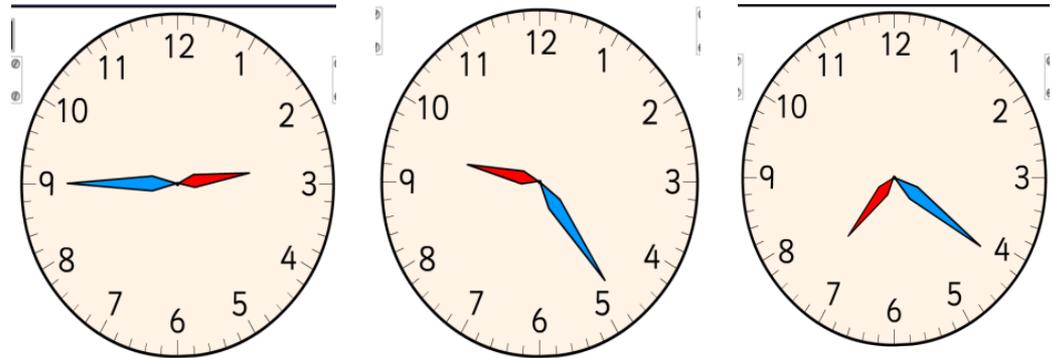
Day 4



1. What number added to 0.67 gives 1?
2. What number is exactly halfway between 0.8 and 1.44?
3. Draw these triangles, write their properties, and mark the properties on the triangles (size of angles, length of sides).

- * scalene triangle
- * equilateral triangle

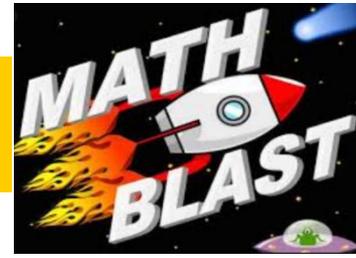
4. Write the correct times



Am and pm in Digital time.

5. It takes 45 minutes to walk to the park. I need to be there by 2.20pm. What time do I need to leave?
6. It takes 1 hour and 45 minutes to travel to London from Nottingham. The train makes an emergency stop which lasts for 23 minutes. If I left Nottingham on the 9.15am train, what time would I arrive in London?

Day 5



1. 90×70
2. $5600 \div 10$
3. write a number that is a factor of both 35 and 21
4. $82 - 58 = 24$... write 3 related facts involving decimals
5. 1 & 360, 2 & 180... write at least two more pairs of factors for 360

Which would you prefer and why?

6. $\frac{3}{4}$ of a piece of cake or $\frac{7}{10}$ s?
7. $\frac{1}{5}$ of a litre of pop or 199mls?
8. How could you write 6.5litres a different way?
9. What about 250 millilitres?
10. Put the following measurements in order from smallest to largest:
6 litres, 60ml, $\frac{1}{4}$ l, 0.85 litres, 560mls