BLOCKBUSTER

Number Day

Instructions

Don't forget to download the Blockbuster game from the Number Day website. Divide the class into two teams, the red team and the blue team. Flip a coin to see which team starts. The starting team selects a yellow hexagon anywhere on the board. Each yellow hexagon contains a letter or number which corresponds to a question. The teacher reads this question aloud and the team in play answers it. If the team gets it right, click either red or blue to turn the hexagon their team colour. If they get it wrong or cannot answer, the question passes to the opposing team who have the chance to get it right and turn the hexagon their team colour. If neither team can answer, the hexagon must remain yellow. The objective for each team is to claim a chain of hexagons connecting the left-hand side to the right-hand side.

	QUESTION	ANSWER
230	If a basketball and hoop together cost £230 and the hoop costs £200 more than the basketball, how much does the basketball cost?	£15
F	Farzia says 'My age is both a square number and a cube number'. Farzia is older than 1 year old and less than 100 years old, how old is she?	64 years old
20	Jane is speaking to her 20 year-old son. She says 'When you are my age I will be one-and-a-half times your age'. How old is Jane now?	40 years old
10	Jake works in a computer shop which is having a 10% off sale. He sells a customer a laptop which originally cost £200 but accidentally charges her 10% extra rather than 10% off! How much extra money should he refund her?	£40
60	Bo has some hats, 4 shirts and 5 pairs of trousers. He can create 60 different outfits each involving a hat, a shirt and a pair of trousers. How many hats does he have?	3
$\frac{1}{3}$	The length of a rectangle is increased by $\frac{1}{3}$ and the width is decreased by $\frac{1}{3}$. By what fraction does the area increase or decrease?	It decreases by $\frac{1}{9}$
2	What is the highest common factor shared by all even square numbers?	4
7	The students in a form group line up in order of height. Cara is 7th tallest and 23rd shortest. How many students are in the form?	29

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100	100 pies are shared by 100 farmers. Some farmers are old and some are young. Each old farmer gets 3 pies but all young farmers have to share 1 pie between 3. How many old farmers are there?	25 old farmers
40	2 punnets of strawberries contain 40 strawberries between them. If 5 strawberries were moved from one punnet to the other they would both contain the same number of strawberries. How many strawberries are in the fuller punnet?	25
3	In 3 years' time Jared will be 3 times as old as he was 3 years ago. How old is he now?	6 years old
2.5	A pot of jam weighs 2.5 kg when half full and 1.8 kg when one quarter full. How much does the jar weigh when full?	3.9 kg
4	If everyone gets 3 cupcakes there will be 4 left over. If everyone gets 4 cupcakes there will be 2 left over. How many people are there?	2 people
50	A field is 50 m long and 40 m wide. Fence posts are placed around it at 5m intervals (including posts at the corners). How many posts are needed?	36 posts
B	What B describes a direction?	Bearing
C	What C describes an equal pair of angles in a drawing with parallel lines?	Corresponding
P	What P describes two lines at right angles to one another?	Perpendicular
A	What A is the change in an object's speed divided by the time taken for the change?	Acceleration
M	What M is the most common item in a list?	Mode
R	What R is used to compare the sizes of two or more quantities?	Ratio

Thank you, we hope you enjoyed taking part.

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