## Key Stage 2

## Algebra

| First name |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Middle name |  |  |  |  |  |  |
| Last name |  |  |  |  |  |  |
| Date of birth | Day |  | Month |  | Year |  |
| School name |  |  |  |  |  |  |
| DFE number |  |  |  |  |  |  |

Each shape in the grid represents a different whole number.
The numbers around the grid show the total value of the shapes in each row or column.


Find the value of each shape.


The numbers around the grid below show the total value of the shapes in each row or column.

Fill in the three missing totals.


Write the value of each expression:


Jack is making a pyramid pattern. Each brick is the total of the two bricks beneath it.


## What number should replace the letter $t$ ?


$\overline{1 \text { mark }}$

Hallie is also making a pyramid using the same rule. She is using letters instead of numbers.

## Write correct expressions in Hallie's three blank bricks.



$\mathbf{m}$ represents the cost (in pounds) of Lola's ticket.
Which expression shows how much money Lola has left?

## Tick one.



One has been done for you.

3 more than $\mathbf{d}$ is $\qquad$
6 less than $\mathbf{d}$ is
1 less than half of $\mathbf{d}$ is
Half of 2 more than $\mathbf{d}$ is $\qquad$

Neave worked out that if she tripled her number and subtracted the answer from 40, the result was 4.
(a) Put a tick next to the equation which best represents what Neave did.

$$
\begin{array}{ll}
3 k-40=4 & \square \\
40-3 k=4 & \square \\
3+k-40=4 & \square \\
k \div 3-40=4 & \square
\end{array}
$$

(b) What number did Neave think of? Show your working.

Solve the equation to find the value of $p$.

$$
3 p-4=0.5
$$



2 marks

Solve the equation to find the value of $r$.
$4 r+3=5 r$

Answer:
$r=$

2 marks

Thank you for downloading this paper. I hope your Year 6 classes will find it a really useful revision aid. Please check out my new website ks2sats.co.uk for lots more FREE papers on topics such as

- Decimals
- Percentages
- Multiplication and division
- Angles
- Word problems
- Ratio and proportion
- Transformations
- Money
- Mass
- Length
- Area and perimeter, and more.

The website also has videos of me working through each paper, so that once pupils have completed the paper they can get help with any questions that they got wrong, and watch a worked-example of how to solve it correctly!

I'd love to have your feedback, so if you have any requests for papers or questions, just let me know.

Thanks - Andrew Jeffrey

