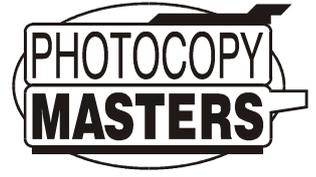




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For Ages 6 - 8

Magical Maths Book 2

High interest activities to ensure
maths concepts are learnt in a
practical and enjoyable way.

Written by Mary Serenc and Wendy Harrap. Illustrated by Terry Allen.

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Teaching Notes

The following notes will give teachers ideas for the use of the relevant page as well as background information to use in other lessons on the class timetable.

Activity Sheet 1: Add and Go

Materials

Add and Go Activity Sheet 1; blackboard (draw up a grid as on sheet); pencils, coloured pencils; dice.

Teaching Points

- * Distribute one sheet per child.
- * Select a picture, e.g. train.
- * Teacher throws the die (you may wish to use two dice for older children).
- * Teacher calls out a shape, e.g. star; and the number on the die, e.g. 3 (or for older children the sum of two numbers). All children write the numeral 3 in the space marked with a star.
- * Continue to throw the die calling a shape and number, until the four spaces marked with shapes are filled. Demonstrate on the blackboard also.
- * Children then add across and down the grid. This activity is self-correcting as the corner answer should be true for both sums (across and down).

Variations

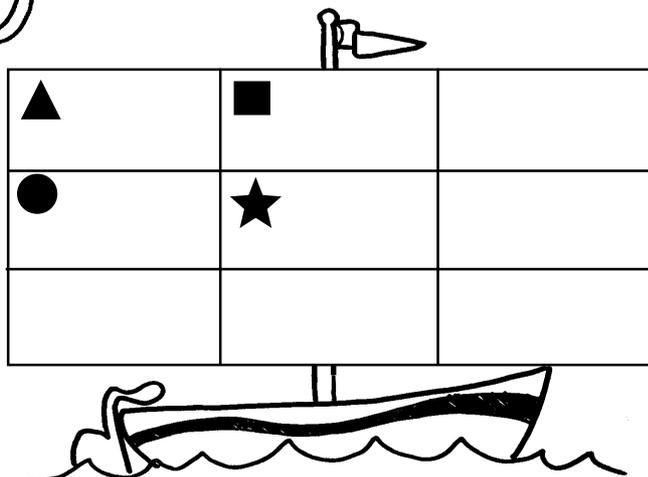
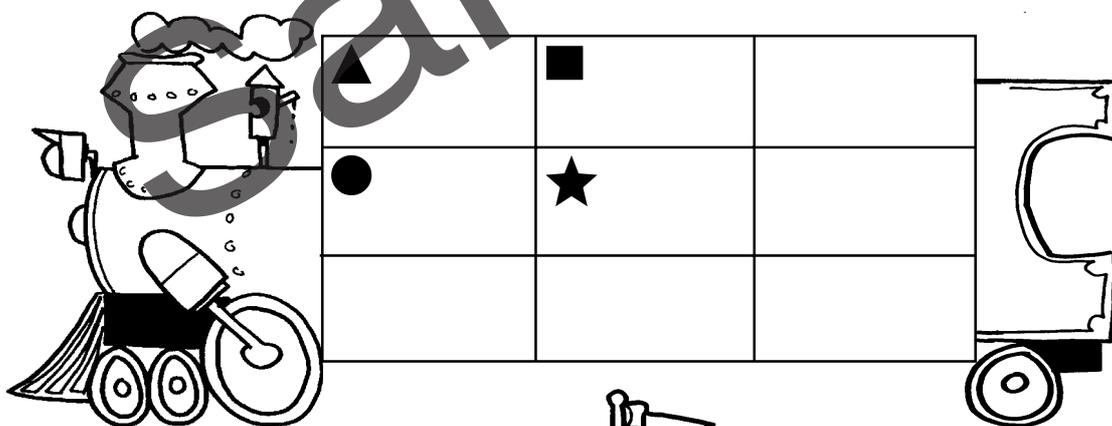
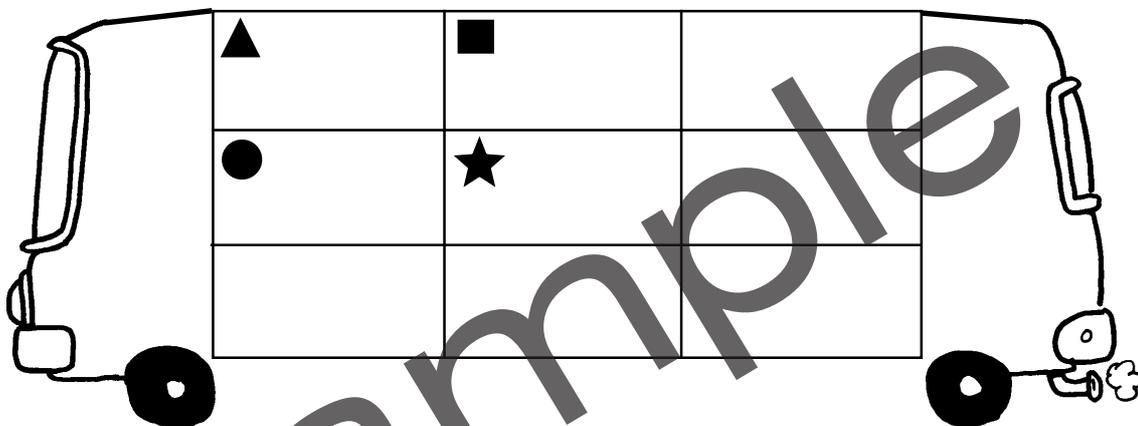
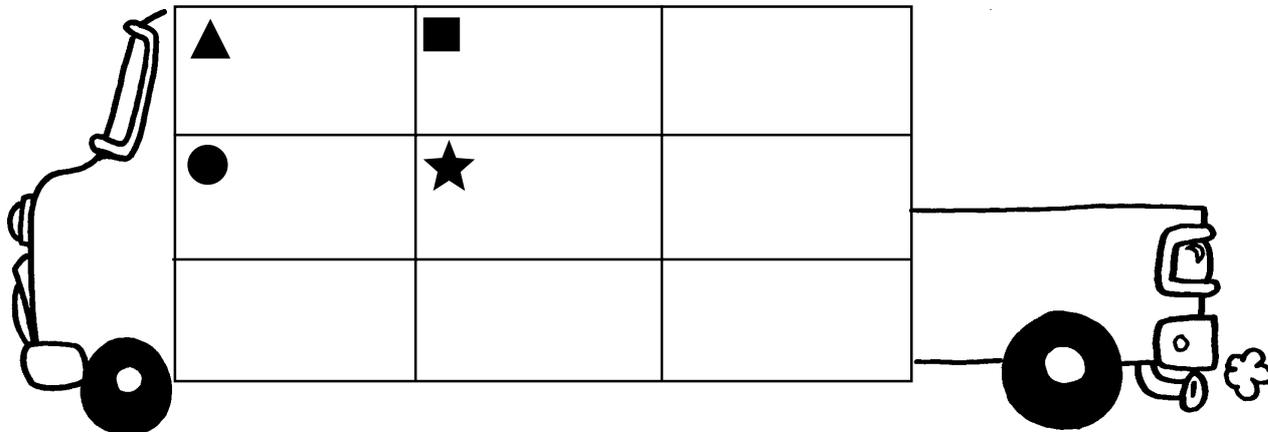
1. For older children use the sum of two dice rather than one.
2. Children work in pairs or groups rather than as a whole class (lots of dice needed though).
3. Children can draw up their own grids (as for noughts and crosses) in their exercise books.
4. Extend the grids to 12 squares, e.g.

3	2	4	
1	6	5	

Name: _____

Activity Sheet 1: Add and Go

Write the number in the correct space when your teacher calls it out.



Outcome: Number 1.15: Mentally consolidates addition facts for whole numbers up to 6.

Additional Activities

WHAT'S IT WORTH?

Materials

Blackboard; paper; pencils.

Teaching Points

1. Write the following money code on the blackboard:

\$1 A F K P U Z

\$2 B G L Q V

\$3 C H M R W

\$4 D I N S X

\$5 E J O T Y

2. Each letter has a money value. Add the letter values together to find the money values of words, e.g. CAT is $\$3 + \$1 + \$5 = \9 .

3. Children find the value of their names, their friends' names, names of animals, etc.

4. Who can find the most expensive word?

Variation

Assign each letter a different value, e.g. A is \$1, B is \$2, C is \$3 ... Z is \$26.

Activity Sheets 2 and 3: Space Satellites

Materials

Blackboard; Space Satellites Activity sheets 2 and 3; pencils.

Teaching Points

Children arrange the numbers in each of the "satellites" so that they add up to the given number. Demonstrate an example on the board first.

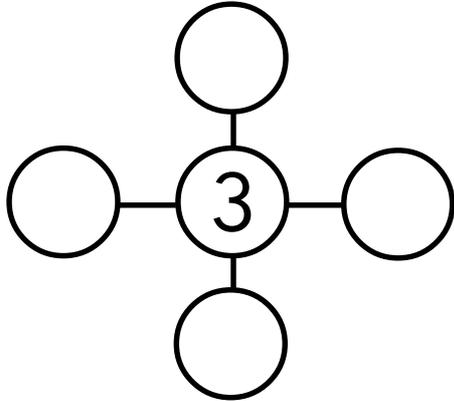
Answers to Activity Sheets 2 and 3

1. $\begin{array}{c} 4 \\ 5 \ 3 \ 6 \\ 7 \end{array}$ 2. $\begin{array}{c} 6 \\ 4 \ 2 \ 5 \\ 3 \end{array}$ 3. $\begin{array}{c} 5 \\ 6 \ 4 \ 7 \\ 8 \end{array}$ 4. $\begin{array}{c} 6 \\ 7 \ 5 \ 8 \\ 9 \end{array}$ 5. $\begin{array}{c} 4 \ 10 \\ 9 \quad 3 \ 7 \\ 8 \quad \quad 6 \\ 5 \ 11 \end{array}$
1. $\begin{array}{c} 5 \ 9 \\ 4 \quad \quad 8 \\ 3 \ 1 \ 7 \\ 2 \ 6 \end{array}$ 2. $\begin{array}{c} 8 \\ 7 \ 6 \ 10 \\ 9 \end{array}$ 3. $\begin{array}{c} 3 \\ 2 \ 1 \ 5 \\ 4 \end{array}$ 4. $\begin{array}{c} 6 \ 2 \ 4 \\ 1 \ 3 \\ 5 \end{array}$ 5. $\begin{array}{c} 4 \ 9 \ 2 \\ 3 \ 5 \ 7 \\ 8 \ 1 \ 6 \end{array}$

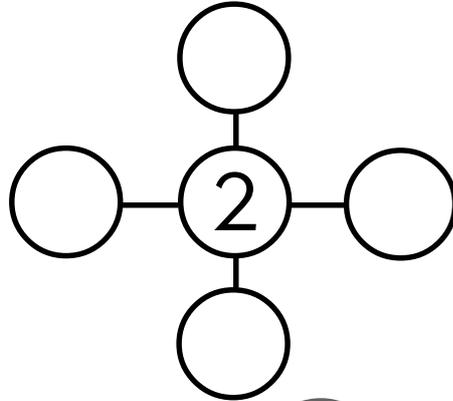
Name: _____

Activity Sheet 2: Space Satellites

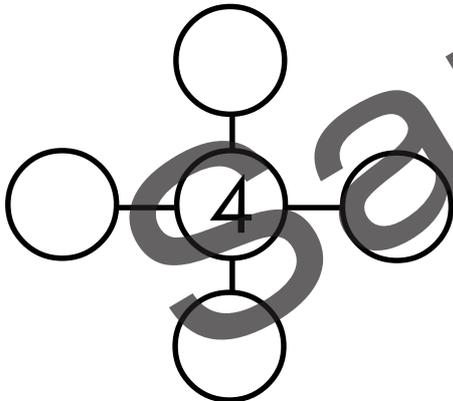
1. Arrange the numbers 4, 5, 6, 7 so that each line adds up to 14.



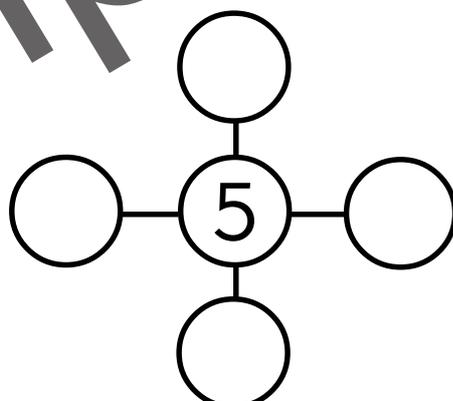
2. Arrange the numbers 3, 4, 5, 6 so that each line adds up to 11.



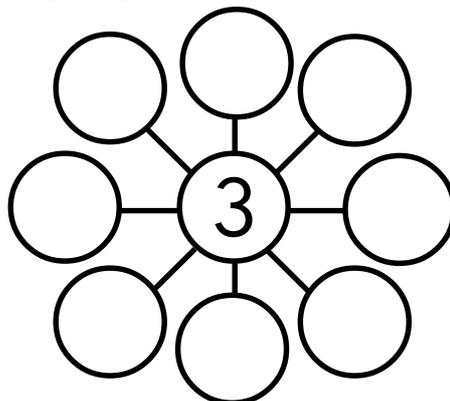
3. Arrange the numbers 5, 6, 7, 8 so that each line adds up to 17.



4. Arrange the numbers 6, 7, 8, 9 so that each line adds up to 20.



5. Arrange the numbers 4, 5, 6, 7, 8, 9, 10, 11 so that each line adds up to 18.



Outcome: Number 1.15: Consolidates and practises problem solving skills with addition facts for whole numbers up to 20.

Name: _____

Activity Sheet 9: Skating Maths

Find the answers, then join the dots in turn.

11 +13	43 +54	63 +23	10 +34	45 +13	42 +26	31 +32
21 +34	12 +22	34 +44	16 +21	52 +23	18 +21	55 +30



Outcome: Number 2.16: Solves written addition sums of whole numbers up to 100 with no regrouping.