

Answers

Clue 1: Solve the problems

There are 24 children in a class. 3 children did not dress up for World Book Day. How many children did dress up?	60 Age: 3
There are 35 story book characters and 42 comic book characters at the World Book Day party. How many is that altogether?	21 Age: 4
The free World Book Day books come in packs of 12. How many books are there altogether in 5 packs?	55 Age: 5
The story had 28 pages. The teacher stopped half way through. What page number did she stop at?	77 Age: 6
Everyone who dressed up got a special World Book Day bookmark. How many bookmarks were given out if the answer is a multiple of 5, between 40 and 60 with a digit total of 10.	84 Age: 5
	14 Age: 7

Clue 1: The culprit is 5 years old.

Clue 2: Missing Numbers

12	14	16	18	20	22
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20	25	30	35	40	45
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22	24	26	28	30	32
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45	40	35	30	25	20
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20	30	40	50	60	70
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14 the	42 black	16 there	30 blonde	50 brown
45 white	26 has	25 culprit	24 ginger	40 hair

Clue 2: The culprit has blonde hair.

Clue 3: Number Bonds

START	$40 + 10$ =	$60 - 10$ =	$20 + 20$ $+ 10$ =	$80 - 1$ =	$70 - 1$ =	$100 - 0$ =	$80 - 1$ =
$20 + 10$ =	$10 + 10$ =	$40 - 20$ =	$25 + 25$ =	$89 + 1$ =	$90 + 1$ =	$60 - 1$ =	$90 - 1$ =
$1 + 9$ =	$100 - 10$ =	$30 + 30$ =	$30 + 20$ =	$55 - 5$ =	$60 - 5$ =	$70 + 1$ =	$50 + 50$ =
$40 + 40$ =	$15 + 5$ =	$10 + 10$ $+ 10$ =	$65 + 1$ =	$60 - 10$ =	$10 + 10$ =	$99 + 1$ =	$20 + 20$ =
$0 + 5$ =	$80 - 0$ =	$59 + 1$ =	$20 + 5$ =	$20 + 30$ =	$10 + 0$ =	$90 - 0$ =	$90 - 1$ =
$79 + 1$ =	$10 + 5$ =	$40 + 40$ =	$69 - 9$ =	$10 + 40$ =	$50 + 0$ =	$70 - 20$ =	$80 - 30$ =
$50 + 50$ =	$70 - 0$ =	$0 + 10$ =	$55 + 1$ =	$30 + 5$ =	$20 - 1$ =	$10 - 5$ =	$20 + 30$ =
boy	girl	boy	girl	boy	girl	boy	girl

Clue 3: The culprit is a **girl**.

Clue 4: True or False

	True	False
The inverse of $12 + 24 = 36$ is: $36 - 24 = 14$		X
Samir says 'I can use $2 + 2 + 2$ to help me work out $20 + 20 + 20$. Is this true or false?	X	
The inverse of $21 + 18 = 39$ is: $39 - 18 = 12$		X
Olivia believes that 45 is greater than 54. Is this true or false?		X
Is this answer true or false? Can you use the inverse to check? $31 + 19 = 52$		X
Daniyel is counting in steps of 5. He starts at 20. He believes that he will say 75. Is this true or false?	X	
Is this answers true or false? Can you use the inverse to check? $19 + 19 = 39$		X
Isak claims that $\frac{1}{2}$ of 30 is the same as $\frac{1}{4}$ of 60. True or false?	X	
The inverse of $22 + 23 = 45$ is: $45 - 23 = 21$		X

Clue 4: The culprit is a princess.

Clue 5: Multiplication Triangles

$$\begin{array}{c} 55 \\ \div \quad \div \\ 5 \times \boxed{11} \end{array}$$

$$\begin{array}{c} 18 \\ \div \quad \div \\ 2 \times \boxed{9} \end{array}$$

$$\begin{array}{c} \boxed{24} \\ \div \quad \div \\ 2 \times 12 \end{array}$$

$$\begin{array}{c} 80 \\ \div \quad \div \\ 10 \times \boxed{8} \end{array}$$

$$\begin{array}{c} 20 \\ \div \quad \div \\ \boxed{2} \times 10 \end{array}$$

$$\begin{array}{c} \boxed{45} \\ \div \quad \div \\ 5 \times 9 \end{array}$$

$$\begin{array}{c} 100 \\ \div \quad \div \\ 10 \times \boxed{10} \end{array}$$

$$\begin{array}{c} 70 \\ \div \quad \div \\ \boxed{7} \times 10 \end{array}$$

the 7	carrying 8	shield 12	with 24	culprit 9
frog 11	them 45	was 2	wand 26	a 10

Clue 5: The culprit was carrying a frog with them.

The culprit is Florence.