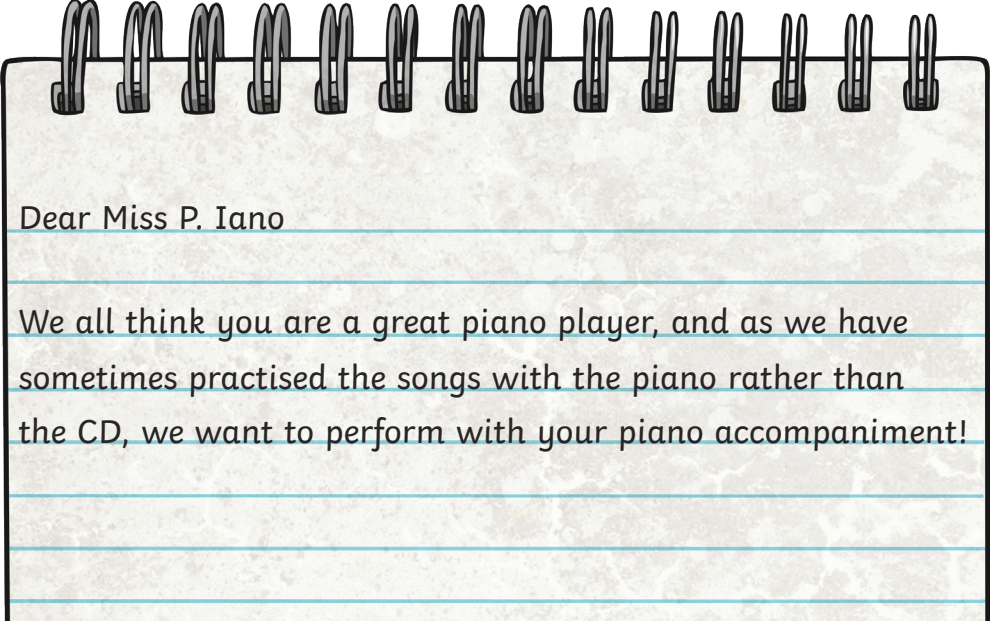


The Mystery of the Christmas Nativity

It is Christmas time at Nazareth Primary School and the children are preparing for the school nativity play.

However, when they come to perform the play, they find the music CD is missing!
The music has been replaced by a message that reads:



Dear Miss P. Iano

We all think you are a great piano player, and as we have sometimes practised the songs with the piano rather than the CD, we want to perform with your piano accompaniment!

So the teacher accompanies the children's singing with the piano and the nativity is a great success.

However, after the performance Miss P. Iano wants to find out who took the CD. Solve the clues to discover the identity of the CD swapper.

Good luck!

The Mystery of the Christmas Nativity

Name	Boy or Girl	Hair Colour	Age	Nativity Play Character	Favourite Musical Instrument
Aisha	girl	ginger	4	shepherd	drums
Bryan	boy	blonde	7	wise traveller	piano
Caleb	boy	white	9	angel	guitar
Delia	girl	black	2	animal	piano
Eli	boy	brown	3	Joseph	flute
Florence	girl	ginger	6	animal	trumpet
Graham	boy	white	10	wise traveller	trumpet
Harvey	boy	blonde	11	shepherd	drums
Ingrid	girl	black	4	angel	guitar
Jenna	girl	white	7	wise traveller	flute
Kevin	boy	black	8	animal	drums
Leroy	boy	brown	3	angel	piano
Martin	boy	blonde	9	innkeeper	guitar
Nigella	girl	ginger	10	shepherd	piano
Ophelia	girl	blonde	3	Mary	drums
Peter	boy	white	6	angel	guitar
Qasim	boy	brown	9	wise traveller	trumpet
Rabiya	girl	brown	11	shepherd	drums
Sheena	girl	black	5	animal	flute
Trent	boy	ginger	8	wise traveller	piano
Una	girl	black	9	angel	guitar
Veronica	girl	blonde	10	shepherd	trumpet
Wanda	girl	black	3	animal	piano
Xavier	boy	black	8	wise traveller	guitar
Yasmin	girl	brown	7	shepherd	drums
Zach	boy	blonde	11	angel	piano

The Mystery of the Christmas Nativity































Clue 1

Find the next three numbers in each number sequence.

Find the final number in each sequence in the grid below and colour it in.

The box that is not coloured in will give you a clue about the CD swapper's favourite instrument.



 18	 24	 30	 <input type="text"/>	 <input type="text"/>	 <input type="text"/>
 14	 21	 28	 <input type="text"/>	 <input type="text"/>	 <input type="text"/>
 90	 81	 72	 <input type="text"/>	 <input type="text"/>	 <input type="text"/>
 84	 78	 72	 <input type="text"/>	 <input type="text"/>	 <input type="text"/>
 91	 84	 77	 <input type="text"/>	 <input type="text"/>	 <input type="text"/>

48 the guitar	56 the drums	45 the flute
44 the trumpet	54 the piano	49 the drums

Clue: The favourite instrument of the CD swapper is not _____.

The Mystery of the Christmas Nativity

Clue 2

'Find a path through the maze by colouring in the correctly written Roman numerals. Make sure you begin at START!

The path will to reveal a clue about the CD swapper's hair colour.



START	7 = VII	10 = X	45 = LXV	43 = XLII
10 = C	15 = VX	26 = XXVI	28 = XXVIII	12 = XII
90 = XC	65 = LVX	18 = XVIIX	60 = L	24 = XXIV
100 = C	23 = XXIIV	17 = XVII	15 = XV	27 = XXVII
50 = L	5 = IIIII	39 = XXXIX	31 = VVVI	6 = IV
40 = XL	14 = XIII	61 = LXI	45 = XLV	39 = XXXIX
100 = L	43 = XLIII	29 = XIXX	21 = LLI	43 = XLIII
The CD swapper's hair is not blonde.	The CD swapper's hair is not white.	The CD swapper's hair is not ginger.	The CD swapper's hair is not brown.	The CD swapper's hair is not black.

Clue: The CD swapper's hair is not _____.

The Mystery of the Christmas Nativity

Clue 3

Find the answers to these questions in the grid below and colour them in.

The one box that is not coloured in will tell you the character the CD Swapper is not dressed as.



$\begin{array}{r} 5 \ 6 \ 9 \ 9 \\ + \quad 7 \ 0 \ 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \ 1 \ 6 \ 8 \\ - \quad 4 \ 3 \ 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \ 2 \ 5 \ 5 \\ + \quad 1 \ 8 \ 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \ 6 \ 5 \ 0 \\ - \quad 7 \ 7 \ 7 \\ \hline \end{array}$
$\begin{array}{r} 5 \ 6 \ 1 \ 0 \\ - \quad 9 \ 9 \ 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \ 7 \ 6 \ 5 \\ + \quad 8 \ 0 \ 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \ 1 \ 9 \ 0 \\ - \quad 7 \ 0 \ 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \ 5 \ 7 \ 4 \\ + \quad 1 \ 6 \ 0 \\ \hline \end{array}$

2733 The CD Swapper is not Joseph or Mary.	4962 The CD Swapper is not a shepherd or angel.	4567 The CD Swapper is not a wise traveller or animal.
7440 The CD Swapper is not a shepherd or animal.	6405 The CD Swapper is not the inn keeper or a shepherd.	4873 The CD Swapper is not Joseph or a wise traveller.
4611 The CD Swapper is not an animal or wise traveller.	4489 The CD Swapper is not Mary or a shepherd.	2734 The CD Swapper is not an animal or the inn keeper.

Clue: The CD swapper is not a _____ or _____.

The Mystery of the Christmas Nativity

Clue 4

In each row, colour in the number that is the value of the underlined digit.

The column with the most correct answers will tell you if the CD swapper is a boy or a girl.



4 <u>9</u> 78	9	9000	900	90
5 90 <u>2</u>	2	20	2000	200
<u>1</u> 672	1	1000	100	10
6 5 <u>9</u> 8	900	90	9000	9
3 <u>9</u> 01	90	90 000	9	900
1 76 <u>7</u>	7	7000	700	70
1 3 <u>9</u> 5	900	9000	90	9
4 <u>5</u> 23	5	50	5000	500
8 56 <u>9</u>	9	9000	900	90
	Boy	Girl	Boy	Girl

Clue: The CD swapper is a boy / girl.

(Circle the correct answer.)

The Mystery of the Christmas Nativity

Clue 5

Check if these maths statements are true or false. If it is correct, put a tick. If it is wrong, put a cross.

Count the number of ticks and crosses.

If there are more ticks than crosses, the age of the CD swapper is an even number.

If there are more crosses than ticks, the age of the CD swapper is an odd number.



	Even ✓	Odd ✗
3 561 rounded to the nearest 10 is 3560		
8 239 rounded to the nearest 100 is 8240		
8 298 rounded to the nearest 1000 is 8000		
5 309 rounded to the nearest 10 is 5300		
2 341 rounded to the nearest 100 is 2000		
3 652 rounded to the nearest 1000 is 4000		
1 563 rounded to the nearest 10 is 1560		
9 937 rounded to the nearest 1000 is 9900		
8 235 rounded to the nearest 100 is 8200		
Total		



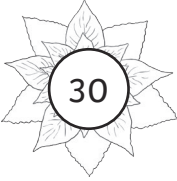












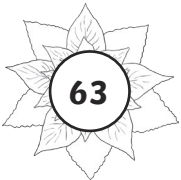



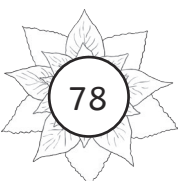







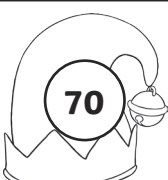


Clue: The age of the CD swapper is even / odd.

(Circle the correct answer.)

The CD swapper is: _____.

The Mystery of the Christmas Nativity Answers

Clue 1

 18	 24	 30	 36	 42	 48
 14	 21	 28	 35	 42	 49
 90	 81	 72	 63	 54	 45
 84	 78	 72	 66	 60	 54
 91	 84	 77	 70	 63	 56

48 the guitar	56 the drums	45 the flute
44 the trumpet	54 the piano	49 the drums

Clue: The favourite instrument of the CD swapper is not **the trumpet**.

The Mystery of the Christmas nativity **Answers**

Clue 2

START	7 = VII	10 = X	45 = LXV	43 = XLII
10 = C	15 = VX	26 = XXVI	28 = XXVIII	12 = XII
90 = XC	65 = LVX	18 = XVIIX	60 = L	24 = XXIV
100 = C	23 = XXIIIV	17 = XVII	15 = XV	27 = XXVII
50 = L	5 = IIIII	39 = XXXIX	31 = VVVI	6 = IV
40 = XL	14 = XIIIII	61 = LXI	45 = XLV	39 = XXXIX
100 = L	43 = XLIII	29 = XIXX	21 = LLI	43 = XLIII
The CD swapper's hair is not blonde.	The CD swapper's hair is not white.	The CD swapper's hair is not ginger.	The CD swapper's hair is not brown.	The CD swapper's hair is not black.

Clue: The CD swapper's hair is not **black**.

The Mystery of the Christmas nativity **Answers**

Clue 3

$\begin{array}{r} 5 \ 6 \ 9 \ 9 \\ + \quad 7 \ 0 \ 6 \\ \hline 6 \ 4 \ 0 \ 5 \end{array}$	$\begin{array}{r} 3 \ 1 \ 6 \ 8 \\ - \quad 4 \ 3 \ 5 \\ \hline 2 \ 7 \ 3 \ 3 \end{array}$	$\begin{array}{r} 7 \ 2 \ 5 \ 5 \\ + \quad 1 \ 8 \ 5 \\ \hline 7 \ 4 \ 4 \ 0 \end{array}$	$\begin{array}{r} 5 \ 6 \ 5 \ 0 \\ - \quad 7 \ 7 \ 7 \\ \hline 4 \ 8 \ 7 \ 3 \end{array}$
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$\begin{array}{r} 5 \ 6 \ 1 \ 0 \\ - \quad 9 \ 9 \ 9 \\ \hline 4 \ 6 \ 1 \ 1 \end{array}$	$\begin{array}{r} 3 \ 7 \ 6 \ 5 \\ + \quad 8 \ 0 \ 2 \\ \hline 4 \ 5 \ 6 \ 7 \end{array}$	$\begin{array}{r} 5 \ 1 \ 9 \ 0 \\ - \quad 7 \ 0 \ 1 \\ \hline 4 \ 4 \ 8 \ 9 \end{array}$	$\begin{array}{r} 2 \ 5 \ 7 \ 4 \\ + \quad 1 \ 6 \ 0 \\ \hline 2 \ 7 \ 3 \ 4 \end{array}$
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2733 The CD Swapper is not Joseph or Mary.	4962 The CD Swapper is not a shepherd or angel.	4567 The CD Swapper is not a wise traveller or animal.
7440 The CD Swapper is not a shepherd or animal.	6405 The CD Swapper is not the inn keeper or a shepherd.	4873 The CD Swapper is not Joseph or a wise traveller.
4611 The CD Swapper is not an animal or wise traveller.	4489 The CD Swapper is not Mary or a shepherd.	2734 The CD Swapper is not an animal or the inn keeper.

Clue: The CD swapper is not a **shepherd** or **angel**.

The Mystery of the Christmas nativity **Answers**

Clue 4

4 <u>9</u> 78	9	9000	900	90
5 90 <u>2</u>	2	20	2000	200
<u>1</u> 672	1	1000	100	10
6 5 <u>9</u> 8	900	90	9000	9
3 <u>9</u> 01	90	90 000	9	900
1 76 <u>7</u>	7	7000	700	70
1 3 <u>9</u> 5	900	9000	90	9
4 <u>5</u> 23	5	50	5000	500
8 56 <u>9</u>	9	9000	900	90
	Boy	Girl	Boy	Girl

Clue: The CD swapper is a **boy** / girl.

(Circle the correct answer.)

The Mystery of the Christmas nativity **Answers**

Clue 5

	Even ✓	Odd ✗
3 561 rounded to the nearest 10 is 3560	✓	
8 239 rounded to the nearest 100 is 8240		✗
8 298 rounded to the nearest 1000 is 8000	✓	
5 309 rounded to the nearest 10 is 5300		✗
2 341 rounded to the nearest 100 is 2000		✗
3 652 rounded to the nearest 1000 is 4000	✓	
1 563 rounded to the nearest 10 is 1560	✓	
9 937 rounded to the nearest 1000 is 9900		✗
8 235 rounded to the nearest 100 is 8200	✓	
Total	5	4

Clue: The age of the CD swapper is even / odd.

(Circle the correct answer.)

The CD swapper is: **Trent**.