

# Christmas Code Breaker

## Amazing Christmas Records

- In December 2015, the largest ever recorded human Christmas tree was made by 4030 people in India. Many of the people were school children from the village of Chengannur.
- The largest Christmas stocking was made in Tuscany in Italy in January 2011. It measured a whopping 51m 35cm long!
- A pub in Worcestershire was listed as serving the world's largest Christmas dinner in 2013. It was an eye-watering 9.6kg and included a whole turkey and twenty-five sprouts, along with parsnips, broccoli, cauliflower, pigs-in-blankets and, of course, roast potatoes.

## Challenge

Solve the maths calculations on the following pages to spell out some Christmas words, the names of some Christmas carols and some terrible cracker jokes using the code below:



A	B	C	D	E	F	G	H	I	J	K	L	M
26	25	24	23	22	21	20	19	18	17	16	15	14

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	12	11	10	9	8	7	6	5	4	3	2	1

## Christmas Code Breaker

### Festive Word Challenge

1.

	Answer	Letter
$3 \times 3$		
$44 \div 2$		
$36 \div 2$		
$26 \div 2$		
$46 \div 2$		
$66 \div 3$		
$88 \div 4$		
$36 \div 4$		

Spells: \_\_\_\_\_

2.

	Answer	Letter
$40 \div 5$		
$57 \div 3$		
$11 \times 2$		
$121 \div 11$		
$38 \div 2$		
$220 \div 10$		
$81 \div 9$		
$69 \div 3$		

Spells: \_\_\_\_\_

3.

	Answer	Letter
$24 \div 3$		
$21 \div 3$		
$144 \div 12$		
$8 \times 3$		
$4 \times 4$		
$3 \times 6$		
$52 \div 4$		
$4 \times 5$		

Spells: \_\_\_\_\_

4.

	Answer	Letter
$48 \div 6$		
$13 \times 2$		
$39 \div 3$		
$49 \div 7$		
$52 \div 2$		
$48 \div 2$		
$30 \div 2$		
$78 \div 3$		
$36 \div 6$		
$64 \div 8$		

Spells: \_\_\_\_\_



# It's a Cracker!

Work out the answers to the questions. Each number is linked to a letter. Use these letters to reveal the punch line of the Christmas jokes. Remember to read the clues across the page.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

1. What do you call Santa in the South Pole? \_\_\_\_\_

$$300 - 289 - 10 = \underline{\quad}$$

$$249 - 200 - 37 = \underline{\quad}$$

$$635 - 630 - 2 = \underline{\quad}$$

$$520 - 518 + 17 = \underline{\quad}$$

$$12 + 32 - 29 = \underline{\quad}$$

$$298 - 147 - 139 = \underline{\quad}$$

$$622 - 607 - 10 = \underline{\quad}$$

$$528 - 520 + 11 = \underline{\quad}$$

$$789 - 790 + 2 = \underline{\quad}$$

$$967 - 947 = \underline{\quad}$$

$$349 - 330 + 2 = \underline{\quad}$$

2. What kind of maths do Snowy Owls like? \_\_\_\_\_

$$4 + 4 + 4 + 3 = \underline{\quad}$$

$$290 - 285 + 18 = \underline{\quad}$$

$$189 - 185 + 8 = \underline{\quad}$$

$$458 - 453 + 2 = \underline{\quad}$$

$$20 - 13 - 6 + 1 = \underline{\quad}$$

$$238 - 232 + 12 = \underline{\quad}$$

$$1000 - 999 = \underline{\quad}$$

$$382 - 377 = \underline{\quad}$$

3. What do snowmen eat? \_\_\_\_\_

$$900 - 892 + 1 = \underline{\quad\quad\quad} \quad 20 + 20 + 20 - 57 = \underline{\quad\quad\quad} \quad 135 - 132 + 2 = \underline{\quad\quad\quad} \quad 382 - 381 + 1 = \underline{\quad\quad\quad} \quad 459 - 454 = \underline{\quad\quad\quad}$$

$$522 - 520 + 16 = \underline{\quad\quad\quad} \quad 173 - 170 + 4 = \underline{\quad\quad\quad} \quad 116 + 10 - 121 = \underline{\quad\quad\quad} \quad 204 - 150 - 36 = \underline{\quad\quad\quad} \quad 333 - 200 - 114 = \underline{\quad\quad\quad}$$

$$892 - 891 = \underline{\quad\quad\quad} \quad 412 - 408 + 10 = \underline{\quad\quad\quad} \quad 607 - 603 = \underline{\quad\quad\quad}$$

$$99 - 96 = \underline{\quad\quad\quad} \quad 702 - 700 + 6 = \underline{\quad\quad\quad} \quad 2 + 1 + 2 + 1 + 3 = \underline{\quad\quad\quad} \quad 812 - 800 = \underline{\quad\quad\quad} \quad 933 - 930 + 9 = \underline{\quad\quad\quad}$$

$$17 + 98 - 90 = \underline{\quad\quad\quad}$$

$$111 - 110 + 18 = \underline{\quad\quad\quad} \quad 399 - 398 = \underline{\quad\quad\quad} \quad 13 + 13 - 5 = \underline{\quad\quad\quad} \quad 441 - 432 - 6 = \underline{\quad\quad\quad} \quad 127 - 122 = \underline{\quad\quad\quad}$$

4. What sort of music do elves like? \_\_\_\_\_

$$178 - 155 = \underline{\quad\quad\quad} \quad 20 + 20 + 20 - 42 = \underline{\quad\quad\quad} \quad 389 - 388 = \underline{\quad\quad\quad} \quad 2 + 2 + 2 + 5 + 5 = \underline{\quad\quad\quad}$$

$$567 - 554 = \underline{\quad\quad\quad} \quad 99 - 30 - 30 - 18 = \underline{\quad\quad\quad} \quad 870 - 851 = \underline{\quad\quad\quad} \quad 67 - 60 + 2 = \underline{\quad\quad\quad} \quad 18 - 3 - 3 - 3 - 6 = \underline{\quad\quad\quad}$$

5. What do elves drive? \_\_\_\_\_

$$230 - 217 = \underline{\quad\quad\quad} \quad 88 - 79 = \underline{\quad\quad\quad} \quad 404 - 390 = \underline{\quad\quad\quad} \quad 167 - 158 = \underline{\quad\quad\quad}$$

$$560 - 550 + 12 = \underline{\quad\quad\quad} \quad 678 - 677 = \underline{\quad\quad\quad} \quad 230 - 216 = \underline{\quad\quad\quad}$$



# Christmas Code Breaking



## Example

In the number



, what is

worth?

90

1. In the number



, what is

worth?

2. In the number



, what is

worth?

3. In the number



, what is

worth?

4. In the number



, what is

worth?

5. In the number



, what is

worth?

6. In the number



, what is

worth?

7. In the number



, what is

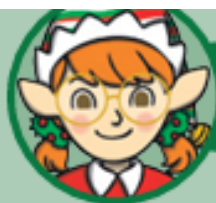
worth?

8. In the number



, what is

worth?



# Christmas Maths Mosaic

## Multiplication 3×, 4× and 8× Tables

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

0 - 10 = green

11 - 20 = black

21 - 30 = red

31 - 40 = brown

41 - 70 = blue

71 < = white

$7 \times 8$	$8 \times 1$	$11 \times 4$	$12 \times 4$	$6 \times 8$	$11 \times 4$	$7 \times 8$	$4 \times 0$	$4 \times 11$
$4 \times 12$	$0 \times 3$	$8 \times 1$	$12 \times 4$	$8 \times 7$	$8 \times 6$	$0 \times 8$	$3 \times 3$	$4 \times 12$
$4 \times 12$	$6 \times 8$	$3 \times 2$	$3 \times 8$	$4 \times 12$	$3 \times 7$	$4 \times 2$	$12 \times 4$	$8 \times 6$
$11 \times 4$	$4 \times 12$	$8 \times 10$	$9 \times 8$	$4 \times 6$	$8 \times 11$	$8 \times 12$	$4 \times 11$	$12 \times 4$
$6 \times 8$	$11 \times 8$	$10 \times 8$	$8 \times 12$	$9 \times 8$	$10 \times 8$	$8 \times 10$	$8 \times 11$	$7 \times 8$
$10 \times 8$	$8 \times 4$	$8 \times 9$	$11 \times 3$	$8 \times 11$	$8 \times 5$	$9 \times 8$	$5 \times 3$	$8 \times 12$
$8 \times 5$	$10 \times 4$	$8 \times 11$	$4 \times 9$	$8 \times 10$	$4 \times 4$	$8 \times 5$	$8 \times 4$	$9 \times 8$
$4 \times 9$	$8 \times 2$	$3 \times 11$	$4 \times 8$	$12 \times 8$	$8 \times 4$	$4 \times 9$	$3 \times 11$	$4 \times 10$
$3 \times 12$	$8 \times 4$	$4 \times 9$	$3 \times 11$	$3 \times 4$	$4 \times 10$	$5 \times 8$	$3 \times 11$	$8 \times 5$
$2 \times 8$	$8 \times 5$	$9 \times 4$	$8 \times 4$	$4 \times 10$	$12 \times 3$	$4 \times 9$	$5 \times 4$	$4 \times 10$

**Challenge:** Which of these calculations has the greatest answer?

$5 \times 3$

$10 \times 3$

$8 \times 7$

$4 \times 6$

$12 \times 4$



# Twelve Days of Christmas

*On the first day of Christmas  
my true love sent to me:  
a partridge in a pear tree*

*On the second day of Christmas  
my true love sent to me:  
2 turtle doves  
and a partridge in a pear tree*



*Twelve drummers drumming  
Eleven pipers piping  
Ten lords a-leaping  
Nine ladies dancing  
Eight maids a-milking  
Seven swans a-swimming  
Six geese a-laying  
Five gold rings  
Four calling birds  
Three French hens  
Two turtle doves  
And a partridge in a pear tree.*

1. By the second day of Christmas, you have 2 turtle doves and 2 partridges. How many turtle doves do you have altogether on the fifth day of Christmas?
2. How many partridges do you have by the sixth day of Christmas?
3. How many gold rings do you have by the sixth day of Christmas?
4. How many swans do you have by the tenth day of Christmas?
5. How many French hens do you have by the ninth day of Christmas?
6. How many birds in total do you have by the fifth day of Christmas?
7. How many maids-a-milking do you have by the eleventh day of Christmas?
8. How many French hens and calling birds do you have in total by the seventh day of Christmas?
9. How many instruments in total?
10. How many birds in total?
11. How many humans in total?
12. If the drummers and pipers were all male, how many males in total?
13. How many females in total?
14. How many individual items all together by the end of the twelfth day of Christmas?

# Think and Write: Frosty the Snowman



Sentence 1: Include an expanded noun phrase.

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Sentence 2: Include the co-ordinating conjunction but.

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Sentence 3: Include a possessive apostrophe.

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Sentence 4: Include the personal pronoun 'he'.

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Sentence 5: Write a question sentence.

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# Let's Liven Things Up

These dull adjectives make the trees look so boring that they've almost ruined Christmas! Can you think of four new adjectives for each word which mean the same thing but are far more exciting? Write one adjective on each bauble to decorate the tree and make your writing look wonderful.




Pick your favourite adjective from each section and write one sentence containing each below.

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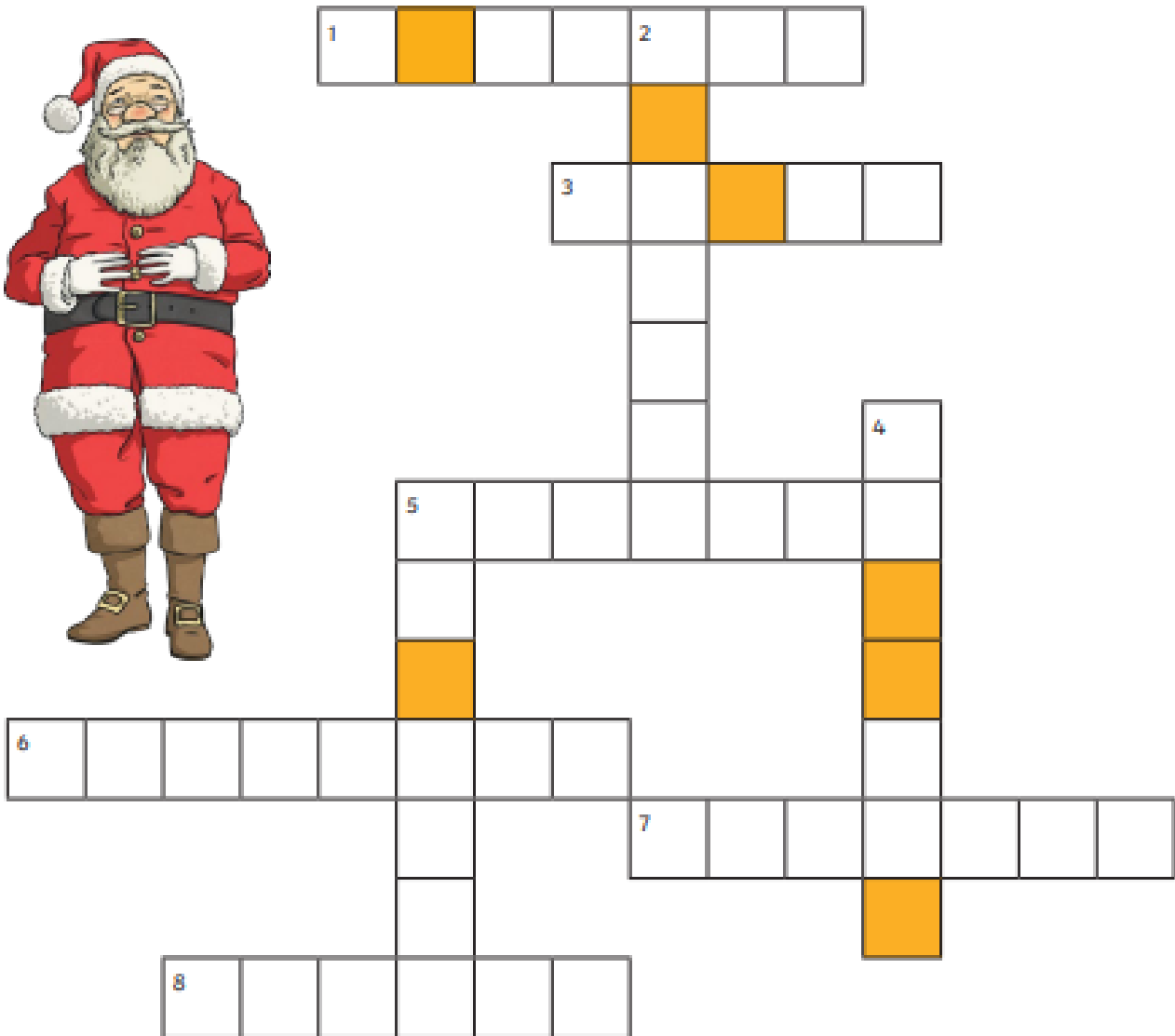
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# Crazy Christmas Criss-Cross

Can you solve the festive clues below to figure out the words in this Christmas crossword? Make sure that you spell your answers correctly to reveal the secret hidden word.



## Across

1. Santa might need a boat to deliver presents to these kinds of places.
3. Santa's elves do this to big presents inside the workshop.
5. For Christmas, Jimmy wanted something which had two wheels, a frame and handlebars.
6. If you don't know what you're getting for Christmas, your presents will be a...
7. Santa knows the \_\_\_\_\_ of every boy and girl in the world.
8. Overnight, lots of presents do this underneath the Christmas tree.

## Down

2. 'He's going to find out who's \_\_\_\_\_ or nice...'
4. If Father Christmas has been delivering presents for 100 years, he has done it for a...
5. Father Christmas will not visit unless you \_\_\_\_\_ in him.

# Wondrous Word Search



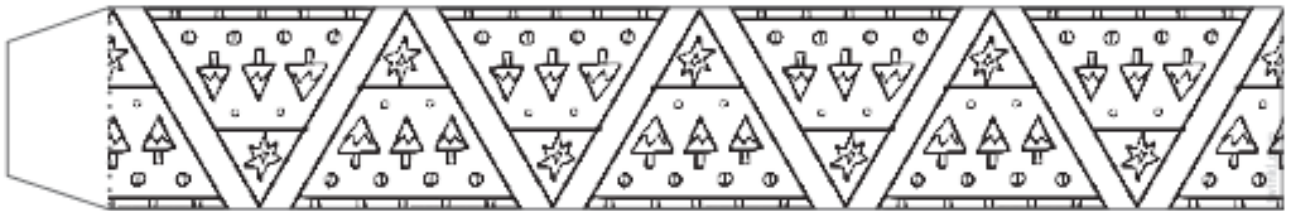
r d x d e i v a s z u r  
s g p e f d f g t d f a  
x c g c m u n f o m b d  
c h a o y g g y c i c x  
h j d r w j t w k s h u  
i e v a o i i r i t r l  
m s l t v l n e n l i p  
n u j i j d s a g e s f  
e s t o b f e t s t t f  
y a d n h s l h f o m v  
n e v s l e i g h e a e  
x i w p r e s e n t s t

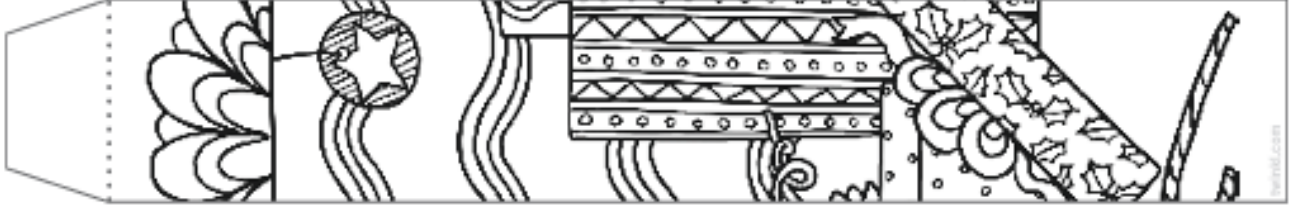
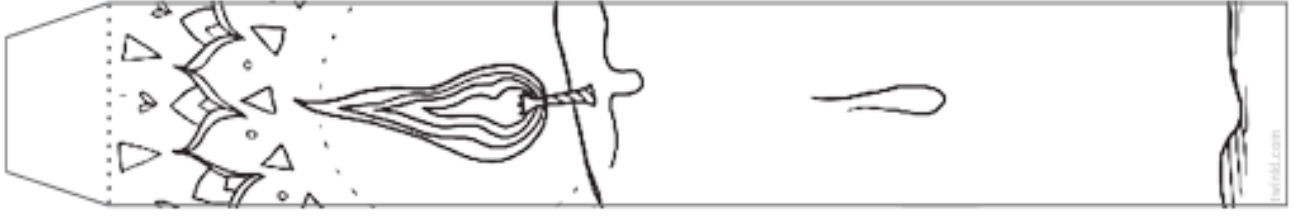
nativity  
decorations  
sleigh  
chimney

mistletoe  
Jesus  
wreath  
Christmas

stockings  
carols  
presents  
tinsel

# Mindfulness Colouring Paper Chain







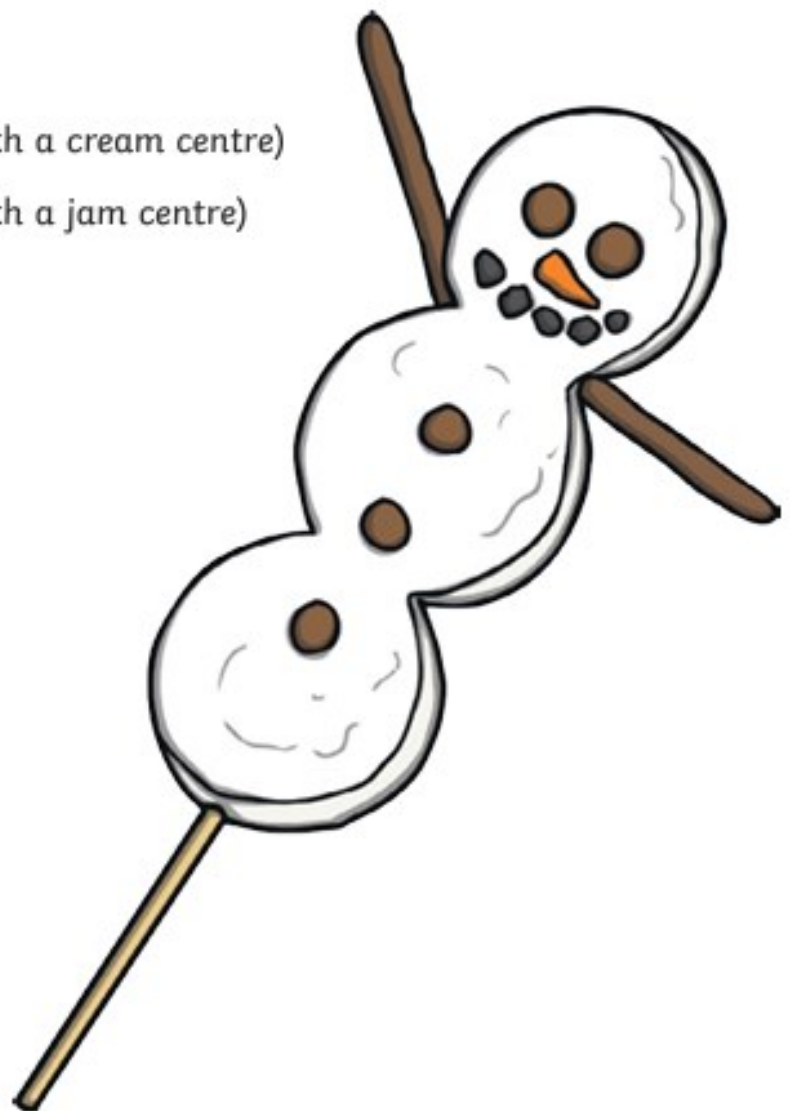
# Snowman Pops Recipe



## Ingredients

- 6 wooden skewers
- 12 round sandwich biscuits (with a cream centre)
- 24 round sandwich biscuits (with a jam centre)
- 1kg white chocolate
- Chocolate sticks
- 50g chocolate chips
- 300g icing sugar
- Black food colouring
- Orange food colouring

Each snowman is made from two jam-centred biscuits and one cream-centred biscuit.



# Snowman Pops Recipe



## Method

1. Take a wooden skewer and carefully push it through the middle of a jam-centred biscuit between the biscuit parts. Add a second jam-filled sandwich biscuit, in the same way.
2. Add a smaller, cream-filled biscuit to the top of the skewer in the same way to make the snowman's head.
3. Repeat with the remaining biscuits until you have all six skewers filled with three biscuits each, a small one at the top and two larger ones at the bottom.
4. Place the skewers in the fridge for 30 mins.
5. Break the white chocolate into chunks and put it into a large, heatproof bowl. Ask an adult to help you put the bowl over a simmering pan of water.

**Safety Tip:** Make sure the bowl doesn't touch the water.

6. Stir the chocolate as it melts. Ask an adult to pour the melted chocolate into a jar and leave it to cool down slightly.
7. Take each of the biscuit skewers and carefully dip them into the jar of white chocolate. The chocolate should completely cover all three biscuits on the skewer.
8. Place each skewer on a baking sheet and press the chocolate sticks into the side of each snowman to make the arms.
9. Then, use the chocolate chips to make the eyes and the buttons down the front of each snowman.
10. Place the baking sheet in the fridge to allow the chocolate to set.
11. Put the icing sugar in a bowl and add 2 teaspoons of water. Stir it well to make it smooth and thick (you might need to add a little more water).
12. Pour half of the icing into a separate bowl. Add a few drops of black food colouring and mix well.
13. Put a few drops of orange food colouring into the other half of the icing and mix well.
14. Use a clean paintbrush to dab dots of black icing on each snowman to make a mouth.
15. Finally, use orange icing and a clean paintbrush to add a carrot shaped nose to each snowman.