

Teddy Bear Outfits

In this problem solving activity the children are asked to work out different combinations of clothing for Teddy to wear.



In later years (Middle and Upper Primary) the children may use a strategy such as drawing a ‘tree diagram’ or filling in a table / chart as a way of solving the problem. However at this stage the children can solve the problem by colouring the different possible combinations.

It is very easy for children to accidentally repeat a combination and / or not find a combination. This will be particularly the case if randomly colouring items of clothing. A teacher / parent may choose to help by suggesting that the children follow a system or a plan. For example, first find all the combinations with one coloured hat, then move to all of the combinations with a second coloured hat . . . and so on.

In the second activity within this document, having found, for example, that there are 9 possible outfits with one coloured hat, some children may suggest / wonder if there will also be 9 outfits for each of the other two hats. A comment such as this is a sign that the child is looking for and noticing patterns. It would be worthwhile at this point to say something like “ That’s a very good question. I wonder if you’re right. Let’s colour in some more outfits and find out.”

Name: Date:

Teddy Bear Outfits

Teddy's favourite colours are red, blue and yellow.



He has a red, blue and yellow hat.

He has a red, blue and yellow shirt.

He has red, blue and yellow pairs of shoes.



Teddy likes to wear three colours each day. Can you colour 6 different outfits for him to wear?



Teddy Bear Outfits

There are six different combinations



Hat	Shirt	Shoes
Red	Blue	Yellow
Red	Yellow	Blue
Blue	Red	Yellow
Blue	Yellow	Red
Yellow	Red	Blue
Yellow	Blue	Red

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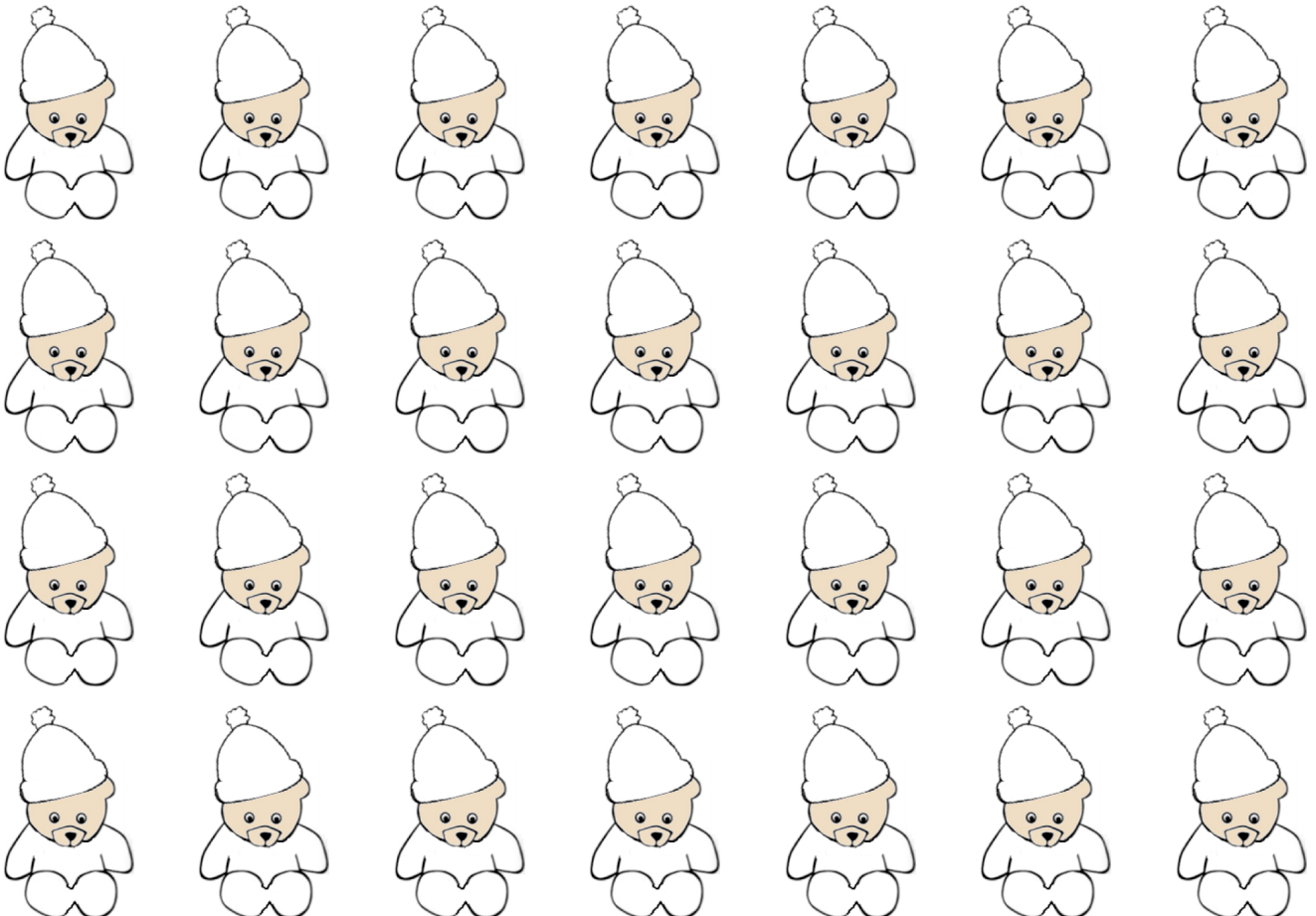


Teddy wants to see how many different outfits he can make.

He's happy to be all in one colour, have two colours or three colours in his outfit.

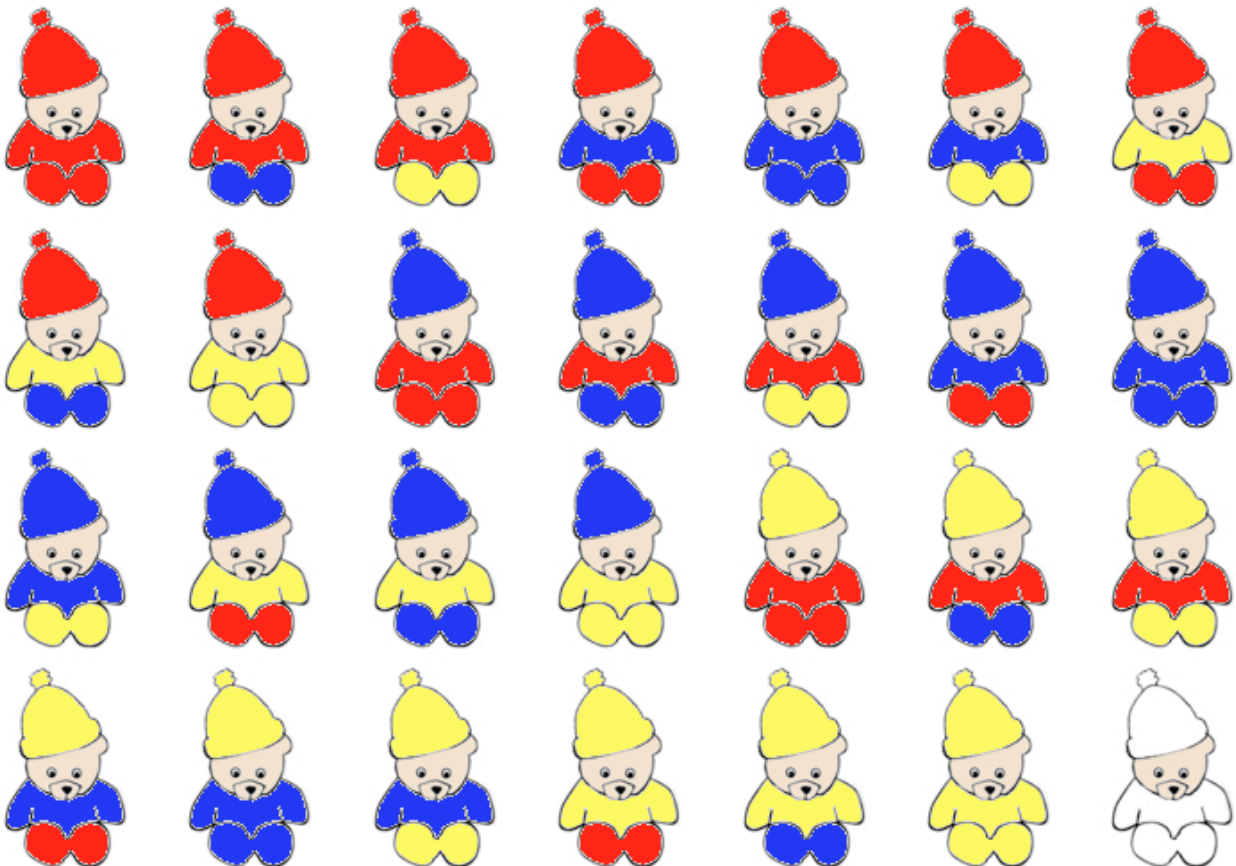
Colour in all of the different outfits you can make for Teddy.

(You may not be able to colour all of the pictures below!)



Teddy Bear Outfits

There are 27 different outfits that can be made using a combination of one, two or three colours.



Hat	Shirt	Shoes
Red	Red	Red
Red	Red	Blue
Red	Red	Yellow
Red	Blue	Red
Red	Blue	Blue
Red	Blue	Yellow
Red	Yellow	Red
Red	Yellow	Blue
Red	Yellow	Yellow

Hat	Shirt	Shoes
Blue	Red	Red
Blue	Red	Blue
Blue	Red	Yellow
Blue	Blue	Red
Blue	Blue	Blue
Blue	Blue	Yellow
Blue	Yellow	Red
Blue	Yellow	Blue
Blue	Yellow	Yellow

Hat	Shirt	Shoes
Yellow	Red	Red
Yellow	Red	Blue
Yellow	Red	Yellow
Yellow	Blue	Red
Yellow	Blue	Blue
Yellow	Blue	Yellow
Yellow	Yellow	Red
Yellow	Yellow	Blue
Yellow	Yellow	Yellow