

Name: Class:

Fraction of a whole word problems: creating models

1. Yesterday, Jamil cuts a sheet of an A4 paper into 6 equal pieces to make a small paper vase. If he used 5 pieces to make the vase, draw a model to represent the fraction of the pieces he used to make the vase.
2. During Lucy's birthday, her friend surprised her with a very big vanilla cake. She was so happy and immediately cut the cake into 8 pieces and shared it amongst her friends. She ate 3 pieces and kept the left over 2 pieces in the fridge.
 - a) Draw a model to represent the fraction of the cake Lucy ate.
 - b) Draw a model to represent the fraction of the cake she kept in the fridge.
3. Yesterday, Mercy cut a long bar of chocolate into 5 equal pieces. If she gave 3 pieces to her mum and kept the rest for herself, draw a model to represent the fraction she gave to her mum.
4. Bertrand ordered pizza and divided it into 12 equal slices. He added extra cheese to 4 of the slices before warming them in the microwave. Draw a model to represent the fraction he added extra cheese.
5. Sophia made a Swiss roll and divided it into 8 pieces. She ate 3 pieces and kept the rest. Draw a model to represent the fraction she ate.
6. Last week, Lucy bought a long ribbon and cut it into 7 equal pieces. If she used 5 pieces to tie a gift, draw a model to represent the fraction of the ribbon she used.

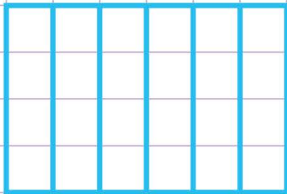


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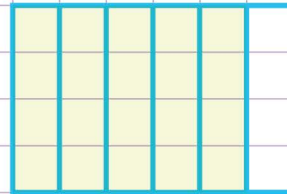
Fraction of a whole word problems: creating models

1. Yesterday, Jamil cuts a sheet of an A4 paper into 6 equal pieces to make a small paper vase. If he used 5 pieces to make the vase, draw a model to represent the fraction of the pieces he used to make the vase.

Number of parts the fraction model should have =
 Total number of pieces Jamil cuts the A4 paper into.
 6 equal pieces → 6 equal parts.



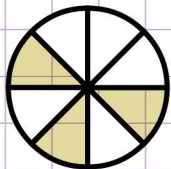
Now, let's shade 5 parts to represent the fraction of the pieces he used to make the vase.



So, this model shows the fraction of the pieces of A4 paper Jamil used to make the small paper vase.

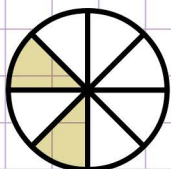
2. During Lucy's birthday, her friend surprised her with a very big vanilla cake. She was so happy and immediately cut the cake into 8 pieces and shared it amongst her friends. She ate 3 pieces and kept the left over 2 pieces in the fridge.

- a) Draw a model to represent the fraction of the cake Lucy ate.



So, this model shows the fraction of the cake Lucy ate.

- b) Draw a model to represent the fraction of the cake she kept in the fridge.



So, This model shows the fraction of the cake that Lucy kept in the fridge.

