



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

How many of each item will it take to equal the mass of one kilogram?  
Estimate first then measure.

How many = 1 kg?	Estimation	Number needed	How many = 2 kg?
Base 10 rods			
Base 10 flats			
Large Base 10 cubes			
Pencils			
Scissors			
Pattern blocks			
Exercise books			
Shoes			

**YOU NEED:**

- ✧ 1 kilogram mass
- ✧ equal arm balance
- ✧ base 10 blocks and other items



## PREVIEW

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Color items that would have a mass of about one kilogram **red**, less than one kilogram **yellow** and more than one kilogram **blue**.

 A television	 Birthday cake	 An egg	 A balloon	 A dog	 A roast chicken
 An orange	 A watermelon	 1 liter of milk	 Chocolate bar	 A bike	 Tape dispenser

Which balance bucket contains a mass of 1 kg? \_\_\_\_\_

Which contain a mass of less than 1 kg? \_\_\_\_\_

Which contain a mass of more than 1 kg? \_\_\_\_\_





## ANSWER KEY

How many of each item will it take to equal the mass of one kilogram?  
Estimate first then measure.

How many = 1 kg?	Estimation	Number needed	How many = 2 kg?
Base 10 rods			
Base 10 flats			
Large Base 10 cubes			
Pencils			
Scissors			
Pattern blocks			
Exercise books			
Shoes			

### YOU NEED:

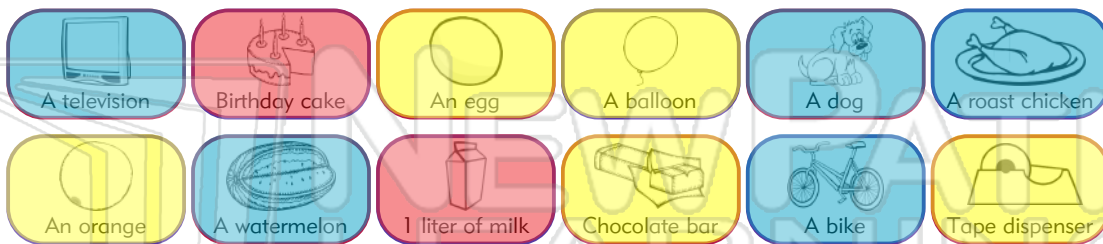
- ☆ 1 kilogram mass
- ☆ equal arm balance
- ☆ base 10 blocks and other items



## PREVIEW

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Color items that would have a mass of about one kilogram **red**, less than one kilogram **yellow** and more than one kilogram **blue**.



Which balance bucket contains a mass of 1 kg?     C    

Which contain a mass of less than 1 kg?     B D    

Which contain a mass of more than 1 kg?     A E    

