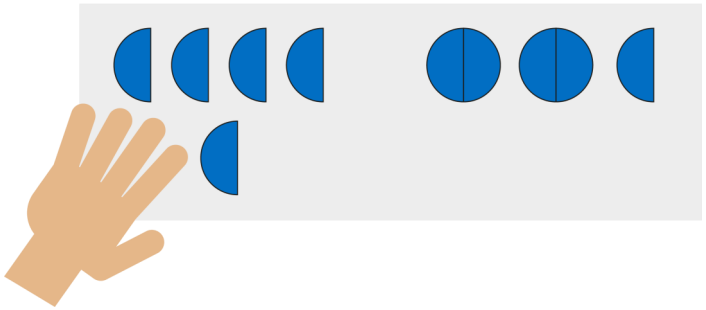
YR5 Home Learning Activities – Maths Set 3

Switch it!

When working with fractions, we need to be flexible in switching their form between improper fractions and mixed numbers.

$\frac{5}{2}$ or $2\frac{1}{2}$

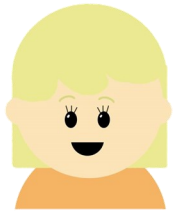


In this activity, cut out and use random quantities of the given fraction visuals.

Separate them as shown above – there are five halves in total.

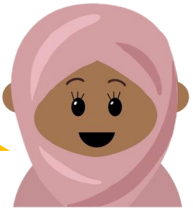
Make wholes with them. There are two wholes and one half.

Key questions



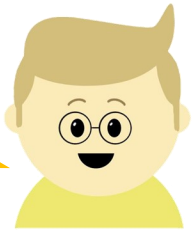
How many halves / thirds / quarters / fifths / sixths / sevenths do you have?

What is the equivalent mixed number / improper fraction? How did you calculate it?



Why can you not convert a proper fraction into a mixed number?

Can you find any equivalent improper fractions or equivalent mixed numbers? Prove it!



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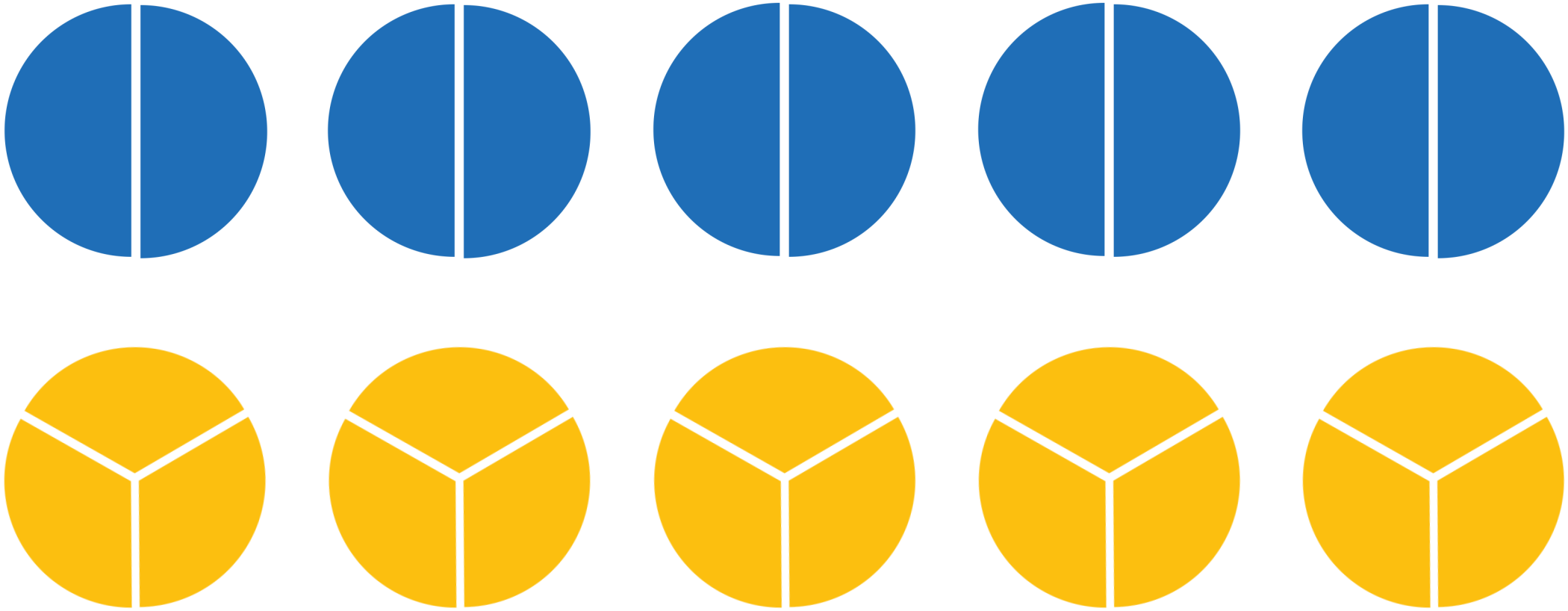

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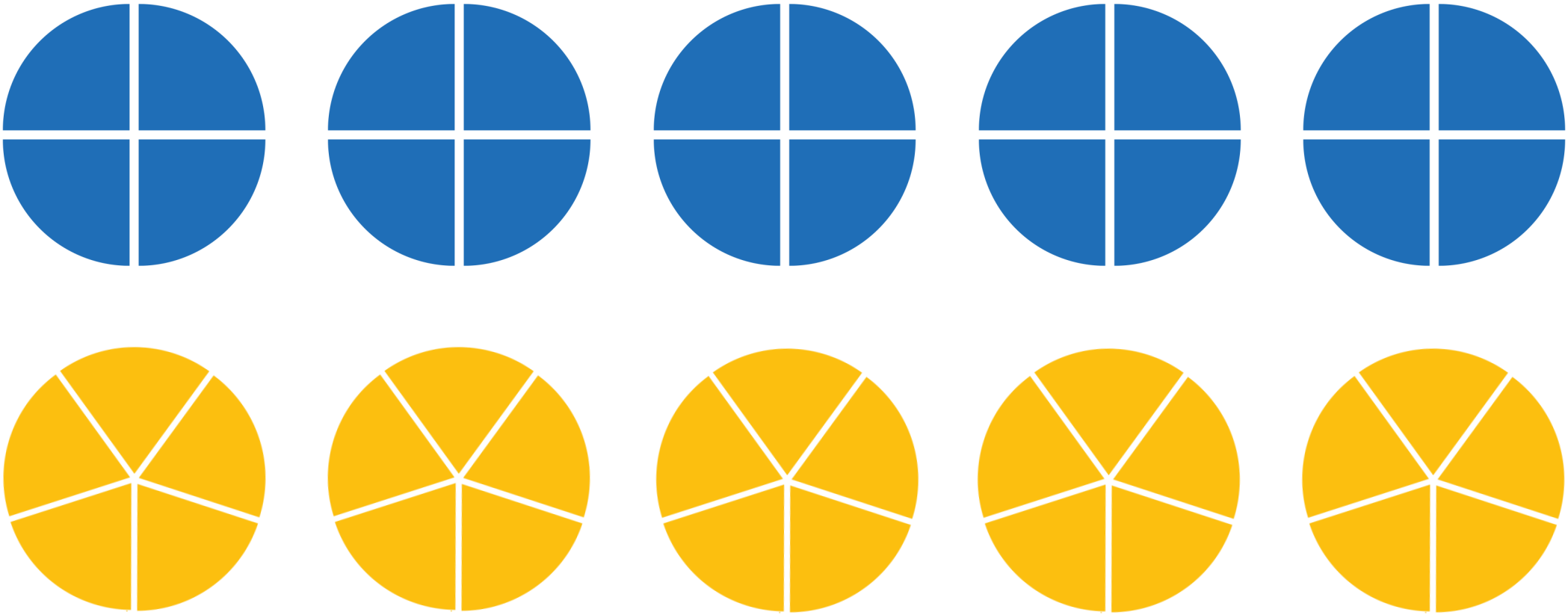

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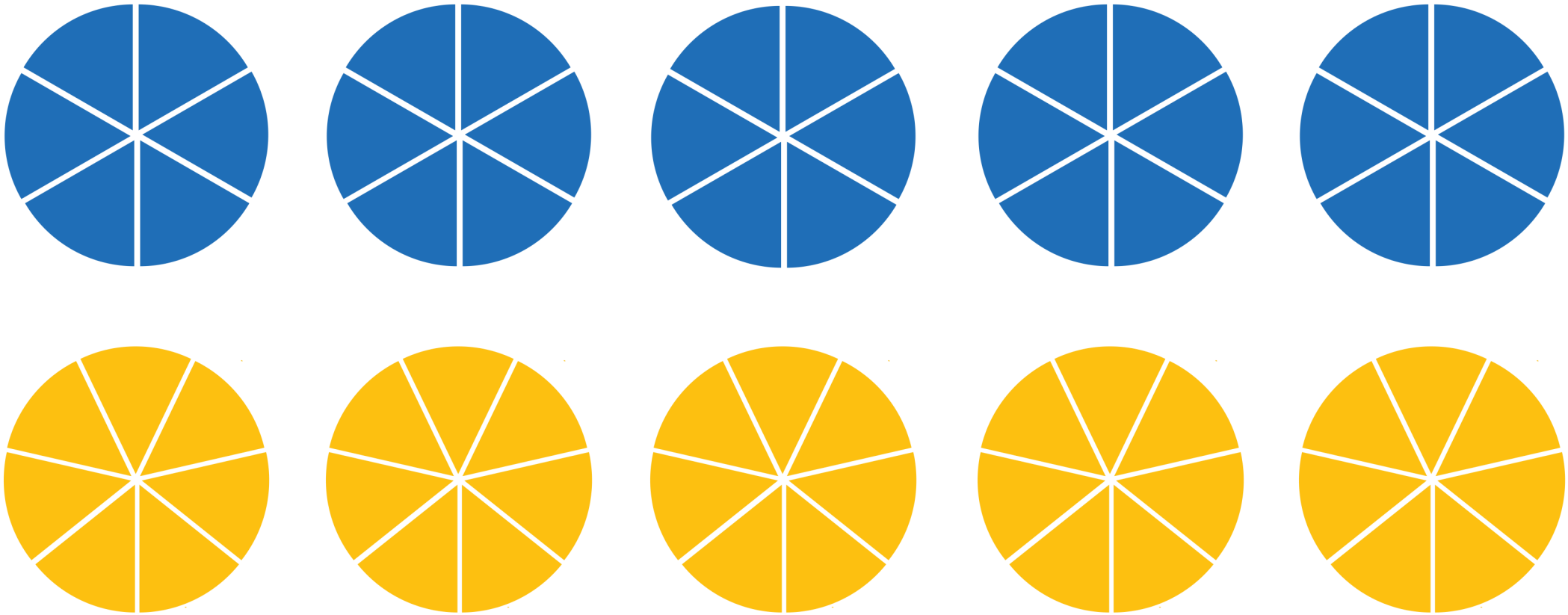

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YR5 Home Learning Activities – Maths Set 3

Convert it!

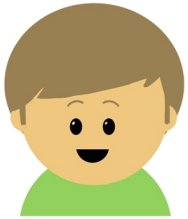
In everyday life, one of the most important skills is being able to convert between units of measure.

At home, choose a range of objects to weigh the mass, capacity and length of. Before you start can you estimate the reading?

Start with things that you can measure in grams, millilitres and centimetres using weighing scales, a measuring jug and a ruler.

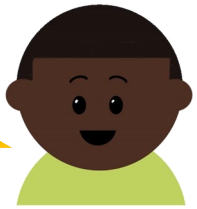
After measuring them, convert the measurements into different equivalent units.

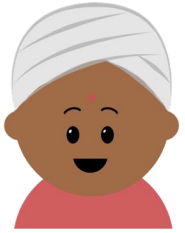
Let's do this!



What do you multiply / divide _____ by to convert the units into _____?

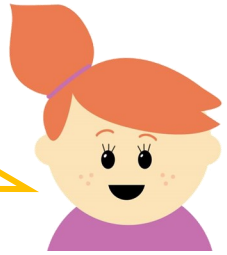
Practise using this stem after a conversion:
_____ ___ is equivalent to _____ ___.





How can we measure the length of something that is larger than a ruler?

Can you find three items that have a combined mass, capacity or length of __.__ kg/l/m?



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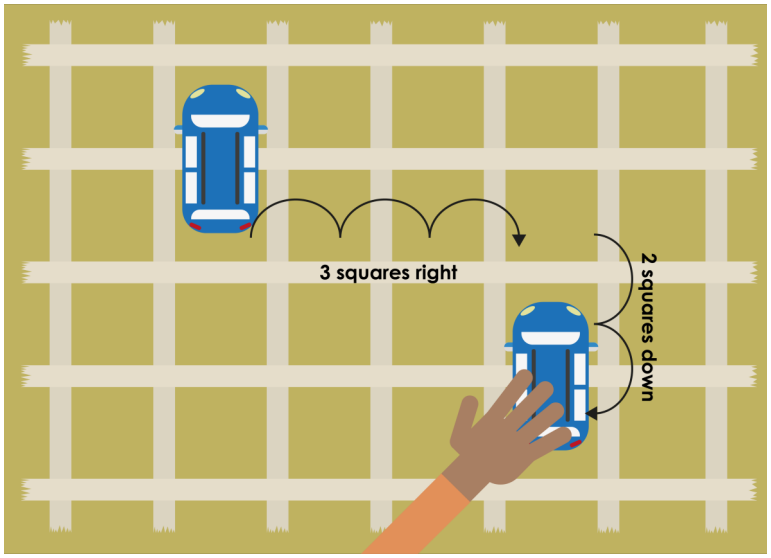
YR5 Home Learning Activities – Maths Set 3

Translate it!

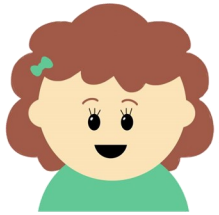
Translation is moving something from one position to another without rotating it or flipping it.



For this activity, make a grid using masking tape on a suitable surface. Choose an object and decide how you are going to attempt to translate it.

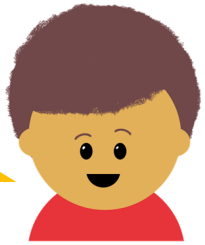
In the example, a car has been translated **3 squares right and 2 squares down.**

Let's do this!

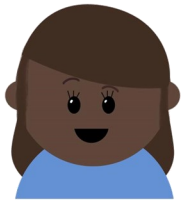


The _____ has been translated ___ squares right / left and ___ squares up / down.

Can the translation be described in more than one way?



Challenge



Moving the _____ no more than 5 squares, how many different translations can you make?

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