

PERCENTAGES

1a. There are 100 glue sticks in a box.

Year 5 takes 20/100 of the glue sticks.
Year 3 takes 40% of the glue sticks.



How many does each year group have?
How many are left in the box?
What percentage is this?



PS

1b. There are 100 marbles in a jar.

Alice takes 40/100 of the marbles. Cian takes 40% of the marbles.



How many does each child have?
How many are left in the jar?
What percentage is this?



PS

Year 5 has _____ glue sticks.

Alice has _____ marbles.

Year 3 has _____ glue sticks.

Cian has _____ marbles.

There are _____ glue sticks left.

There are _____ marbles left.

It is _____ %.

It is _____ %.

2a. Convert the fractions and decimals below into percentages.

$\frac{45}{100}$ $\frac{48}{100}$ 0.04 $\frac{47}{100}$ 0.4

Write the percentages in descending order.



PS

2b. Convert the fractions and decimals below into percentages.

0.5 $\frac{5}{100}$ $\frac{55}{100}$ $\frac{15}{100}$ 0.25







Write the percentages in ascending order.







PS

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PERCENTAGES

<p>3a. Johnny and Alice are converting fractions and decimals into percentages.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  Johnny </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 150px;"> 0.05 as a percentage is 50%. </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 150px;"> $\frac{5}{100}$ as a percentage is 5%. </div> <div style="text-align: center;">  Alice </div> </div> <p>Who is correct?</p> <div style="border: 2px solid orange; width: 100px; height: 40px; margin: 10px auto;"></div> <div style="text-align: left; margin-top: 10px;">  </div>	<p>3b. Isabel and Cian are converting fractions and decimals into percentages.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  Isabel </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 150px;"> 0.25 as a percentage is 25%. </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 150px;"> $\frac{25}{100}$ as a percentage is 25%. </div> <div style="text-align: center;">  Cian </div> </div> <p>Who is correct?</p> <div style="border: 2px solid green; width: 100px; height: 40px; margin: 10px auto;"></div> <div style="text-align: left; margin-top: 10px;">  </div>
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<p>4a. There are 200 sweets in a jar.</p> <p>Lucy takes $\frac{3}{10}$ of the sweets. Alice takes 50% of the sweets.</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>How many does each child have? How many are left in the jar? What percentage is this?</p> <div style="text-align: left; margin-top: 10px;">  </div>	<p>4b. There are 100 pencils in a box.</p> <p>Class 5 takes $\frac{4}{10}$ of the pencils. Class 4 takes 25% of the pencils.</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>How many does each class have? How many pencils are left in the box? What percentage is this?</p> <div style="text-align: left; margin-top: 10px;">  </div>
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Lucy has _____ sweets.

Alice has _____ sweets.

There are _____ sweets left.

It is _____ %.

Class 5 has _____ pencils.

Class 4 has _____ pencils.

There are _____ pencils left.

It is _____ %.