

Week 13: White Rose Home Learning

For each lesson this week, except Friday, you will need to watch the relevant video, and stop it occasionally, to answer questions from the activity worksheet. You can now access each day's video from the link provided. To access the daily worksheet simply click on the appropriate file on our school website.

- **Get ready:** Click open today's activity worksheet – for example Monday Maths. If you are unable to print off the worksheet, simply write the answers in your book.
- **Get set:** Click on the video link provided and watch until it tells you to stop watching.
- **Go:** Answer the questions from the worksheet. You can write the answers into your home learning book; no need to print anything out. Then continue watching the video.
- Once finished, **check your answers** by clicking the appropriate file, for example Monday Maths Answers.
- Daily extensions are provided on the next few pages.

Monday - Lesson 1: Understanding percentages

Click here to watch the video: <https://vimeo.com/428001381>

Tuesday - Lesson 2: Percentages as fractions and decimals

Click here to watch the video: <https://vimeo.com/428001420>

Wednesday - Lesson 3: Adding decimals with the same number of decimal places

Click here to watch the video: <https://vimeo.com/428001477>

Thursday - Lesson 4: Adding decimals with different number of decimal places

Click here to watch the video: <https://vimeo.com/428001528>

Friday – Matching Game. Simply go to:

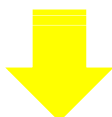
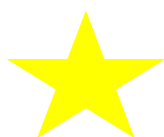
<https://mathsframe.co.uk/en/resources/resource/120/match-fractions-decimals-and-percentages>

Instructions:

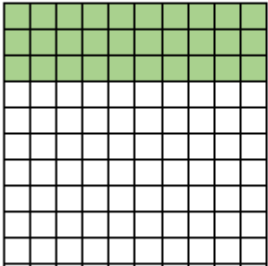

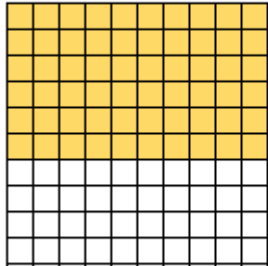

1. Click - Play Game
2. Select any level.
3. Play the next higher level.

Challenge: Choose more than two levels.





Daily extensions





Green Monday

<p>1a. Match the grid to the correct percentage.</p> <div style="display: flex; align-items: center; justify-content: space-between;"> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>40%</p> <p>50%</p> <p>30%</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;">  VF </div>	<p>1b. Match the grid to the correct percentage.</p> <div style="display: flex; align-items: center; justify-content: space-between;"> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>50%</p> <p>60%</p> <p>70%</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;">  VF </div>
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Green Tuesday

<p>1a. There are 100 glue sticks in a box.</p> <p>Year 5 takes 20/100 of the glue sticks. Year 3 takes 40% of the glue sticks.</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>How many does each year group have? How many are left in the box? What percentage is this?</p> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;">  PS </div>	<p>1b. There are 100 marbles in a jar.</p> <p>Alice takes 40/100 of the marbles. Cian takes 40% of the marbles.</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="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;">  PS </div>
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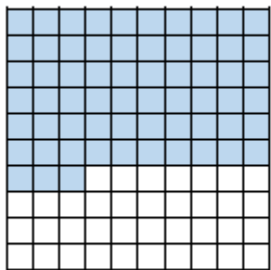


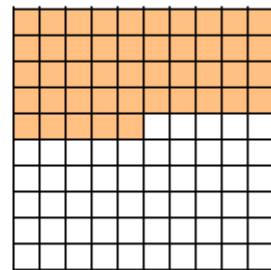
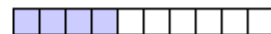
Green Wednesday

<p>2a. Convert the fractions and decimals below into percentages.</p> <div style="text-align: center; margin: 20px 0;"> $\frac{45}{100}$ $\frac{48}{100}$ 0.04 $\frac{47}{100}$ 0.4 </div> <p>Write the percentages in descending order.</p> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;">  PS </div>	<p>2b. Convert the fractions and decimals below into percentages.</p> <div style="text-align: center; margin: 20px 0;"> 0.5 $\frac{5}{100}$ $\frac{55}{100}$ $\frac{15}{100}$ 0.25 </div> <p>Write the percentages in ascending order.</p> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;">  PS </div>
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Green Thursday

<p>3a. Johnny and Alice are converting fractions and decimals into percentages.</p> <div data-bbox="279 336 774 459">  <p>0.05 as a percentage is 50%.</p> <p>Johnny</p> </div> <div data-bbox="279 481 774 582"> <p>$\frac{5}{100}$ as a percentage is 5%.</p>  <p>Alice</p> </div> <p>Who is correct? Explain how you know.</p> <div data-bbox="271 660 319 716">★</div> <div data-bbox="774 683 790 705">R</div>	<p>3b. Isabel and Cian are converting fractions and decimals into percentages.</p> <div data-bbox="805 336 1300 459">  <p>0.25 as a percentage is 25%.</p> <p>Isabel</p> </div> <div data-bbox="805 481 1300 582"> <p>$\frac{25}{100}$ as a percentage is 25%.</p>  <p>Cian</p> </div> <p>Who is correct? Explain how you know.</p> <div data-bbox="798 660 845 716">★</div> <div data-bbox="1300 683 1316 705">R</div>
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Pink Monday

<p>4a. Match the grids to their percentages.</p> <div data-bbox="279 963 774 996"> <p>A  70%</p> </div> <div data-bbox="279 1008 774 1276"> <p>B  60%</p> </div> <div data-bbox="279 1288 774 1321"> <p>C  63%</p> </div> <div data-bbox="271 1332 319 1388">★</div> <div data-bbox="774 1355 790 1377">VF</div>	<p>4b. Match the grids to their percentages.</p> <div data-bbox="805 963 1300 996"> <p>A  40%</p> </div> <div data-bbox="805 1008 1300 1276"> <p>B  50%</p> </div> <div data-bbox="805 1288 1300 1321"> <p>C  45%</p> </div> <div data-bbox="798 1332 845 1388">★</div> <div data-bbox="1300 1355 1316 1377">VF</div>
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Pink Tuesday

<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 data-bbox="462 1601 566 1758">  </div> <p>How many does each child have? How many are left in the jar? What percentage is this?</p> <div data-bbox="271 1881 319 1937">★</div> <div data-bbox="774 1904 790 1926">PS</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 data-bbox="949 1601 1173 1758">  </div> <p>How many does each class have? How many pencils are left in the box? What percentage is this?</p> <div data-bbox="798 1881 845 1937">★</div> <div data-bbox="1300 1904 1316 1926">PS</div>
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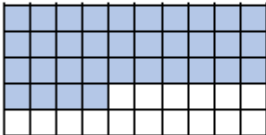
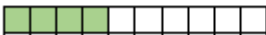


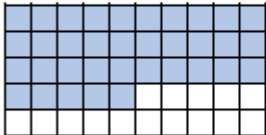
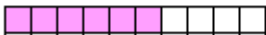

Pink Wednesday

<p>5a. Convert the fractions and decimals below into percentages.</p> <p>$\frac{22}{200}$ $\frac{58}{100}$ 0.5 $\frac{30}{300}$ 0.15</p> <p>Write the percentages in ascending order.</p> <p> PS</p>	<p>5b. Convert the fractions and decimals below into percentages.</p> <p>0.7 $\frac{72}{100}$ $\frac{148}{200}$ $\frac{75}{300}$ 0.75</p> <p>Write the percentages in descending order.</p> <p> PS</p>
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Pink Thursday

<p>6a. Steph and Gabriel 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;">  Steph 0.07 as a percentage is 70%. </div> <div style="text-align: center;">  Gabriel $\frac{70}{100}$ as a percentage is 70%. </div> </div> <p>Who is correct? Explain how you know.</p> <p> R</p>	<p>6b. Hannah and Sean 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;">  Hannah 0.5 as a percentage is 50%. </div> <div style="text-align: center;">  Sean $\frac{50}{200}$ as a percentage is 50%. </div> </div> <p>Who is correct? Explain how you know.</p> <p> R</p>
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Purple Monday

<p>7a. Match the grids to their percentages.</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>A </p> </div> <div>68%</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p>B </p> </div> <div>25%</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p>C </p> </div> <div>40%</div> </div> <p> VF</p>	<p>7b. Match the grids to their percentages.</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>A </p> </div> <div>70%</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p>B </p> </div> <div>60%</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p>C </p> </div> <div>35%</div> </div> <p> VF</p>
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Purple Tuesday

<p>7a. There are 30 chocolate bars in one box and 20 in the other. Bill's Shop sells $\frac{5}{25}$ of the bars. Jack's Store sells 50% of the bars.</p>  <p>How many does each owner sell? How many are left to sell? What percentage is this?</p> <p>☆</p> <p>PS</p>	<p>7b. There are 125 sweets in each sweet jar. Sean and Ben take $\frac{1}{5}$ of the sweets each. Steph takes 24% of the sweets.</p>  <p>How many does each child have? How many sweets are left in the jars? What percentage is this?</p> <p>☆</p> <p>PS</p>
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Purple Wednesday

<p>8a. Convert the fractions and decimals below into percentages.</p> <p>$\frac{20}{25}$ $\frac{36}{50}$ 0.52 $\frac{96}{300}$ 0.75</p> <p>Write the percentages in descending order.</p> <p>☆</p> <p>PS</p>	<p>8b. Convert the fractions and decimals below into percentages.</p> <p>0.92 $\frac{180}{200}$ $\frac{48}{50}$ $\frac{22}{25}$ 0.8</p> <p>Write the percentages in ascending order.</p> <p>☆</p> <p>PS</p>
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Purple Thursday

<p>9a. Kelly and Josh are converting fractions and decimals into percentages.</p> <p> 0.36 as a percentage is 36%.</p> <p>$\frac{9}{25}$ as a percentage is 36%. </p> <p>Who is correct? Explain how you know.</p> <p>☆</p> <p>R</p>	<p>9b. Lucy and Ben are converting fractions and decimals into percentages.</p> <p> 0.8 as a percentage is 8%.</p> <p>$\frac{20}{25}$ as a percentage is 80%. </p> <p>Who is correct? Explain how you know.</p> <p>☆</p> <p>R</p>
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