



Baljaffray Primary School
Numeracy and Mathematics Home Learning for Absences

Second Level Numeracy and Mathematics
Learning Steps Progression

GAMES WEBSITES
for Multiple Concepts at Different Levels

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://www.topmarks.co.uk/maths-games/daily10>

<https://sct.mathgames.com/skills/>

<https://www.ictgames.com/mobilePage/index.html>

<http://www.snappymaths.com/>

<https://www.topmarks.co.uk/Flash.aspx?f=intheboxv2>

<https://mathsframe.co.uk/en/resources/resource/563/Snowball-Smash>

http://www.mrcrammond.com/curriculum_for_excellence_maths.html

<https://www.transum.org/Software/Game/>



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Second Level Numeracy and Mathematics Learning Steps Progression			
SECOND LEVEL		PHASE 7: PRIMARY 6	
Curriculum Organisers	Fractions, decimal fractions and percentages	Experiences and Outcomes	<p><i>I have investigated the everyday contexts in which simple fractions, percentages or decimal fractions are used and can carry out the necessary calculations to solve related problems. MNU 2-07a</i></p> <p><i>I can show the equivalent forms of simple fractions, decimal fractions and percentages and can choose my preferred form when solving a problem, explaining my choice of method. MNU 2-07b</i></p> <p><i>I have investigated how a set of equivalent fractions can be created, understanding the meaning of simplest form, and can apply my knowledge to compare and order the most commonly used fractions. MTH 2-07c</i></p> <p><i>I have investigated the everyday contexts in which simple fractions, percentages or decimal fractions are used and can carry out the necessary calculations to solve related problems. MNU 2-07a</i></p> <p><i>I can show the equivalent forms of simple fractions, decimal fractions and percentages and can choose my preferred form when solving a problem, explaining my choice of method. MNU 2-07b</i></p> <p><i>I have investigated how a set of equivalent fractions can be created, understanding the meaning of simplest form, and can apply my knowledge to compare and order the most commonly used fractions. MTH 2-07c</i></p>
<ul style="list-style-type: none"> •I can work with thousandths •I can compare and order fractions using knowledge of equivalence •I can simplify basic fractions •I can find fractions of an amount, e.g. 2/3 of 12, 7/9 of 72 •I can convert between improper fractions and mixed numbers •I can convert fractions into decimal fractions and percentages, e.g. $\frac{1}{2} = 0.5 = 50\%$ •I can apply understanding of the relationship between fractions, decimal fractions and percentages •I can use mental and written methods to find simple percentages of quantities, e.g. 25% of £16 or 50% of £24 			



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USEFUL ONLINE GAMES

Fraction Finder: <https://www.ictgames.com/mobilePage/fractions/index.html>
Chinese Dragon (Ordering; Decimals): <https://www.topmarks.co.uk/ordering-and-sequencing/chinese-dragon-ordering>
Coconut Ordering (Numbers): <https://www.topmarks.co.uk/ordering-and-sequencing/coconut-ordering>
Decimal Number Line: <https://www.topmarks.co.uk/Flash.aspx?f=NumberLinev5>
Fraction Games: <https://www.topmarks.co.uk/Flash.aspx?f=Fractionsv7>
Higher and Lower: <https://www.topmarks.co.uk/Flash.aspx?f=HigherAndLower>
Placing Numbers on a Number Line: https://mathsframe.co.uk/en/resources/resource/37/placing_numbers_on_a_number_line
In the Box: <https://www.topmarks.co.uk/Flash.aspx?f=intheboxv2>
Snowball Smash (fractions of numbers): <https://mathsframe.co.uk/en/resources/resource/563/Snowball-Smash>
Snowball Smash (simplify fractions): <https://mathsframe.co.uk/en/resources/resource/563/Snowball-Smash>
Snowball Smash (convert fractions to decimals): <https://mathsframe.co.uk/en/resources/resource/563/Snowball-Smash>
Snowball Smash (convert fractions to percentages): <https://mathsframe.co.uk/en/resources/resource/563/Snowball-Smash>
Decimal Games: <https://sct.mathgames.com/decimals>
Visual Fraction Games: <https://visualfractions.com/games/>

TEACHING

<https://www.bbc.co.uk/teach/class-clips-video/maths-ks2-decimal-dance-off-1-structure-of-fractions-decimals-and-percentages/z6x8qp3> - Decimal Dance Off 1
<https://www.bbc.co.uk/bitesize/articles/z64ybdm> - Introduction to Converting Fractions, Decimals and Percentages
<https://www.bbc.co.uk/bitesize/guides/zqg4jxs/revision/3> - Converting Fractions to Percentages
<https://www.bbc.co.uk/bitesize/guides/zqg4jxs/revision/1> - Converting between Fractions and Decimal Fractions
<https://www.bbc.co.uk/bitesize/articles/zvxnv82> - Finding Percentages of Amounts

WRITTEN TASKS (ALL IN FILES ON TEAMS)

Fractions

SHM6 p48 - Fractions: equivalence
SHM6 p49 - Fractions: equivalence
SHM6 p50 - Fractions: comparing and ordering
SHM6 p51 - Fractions: of a set, numerator = 1
SHM6 p52 - Fractions: hundredths of a set/quantity
SHM6 p53 - Fractions: of a set/quantity, numerator ≥ 1
TeeJay Bk2a p97: What is a Fraction?
TeeJay Bk2a p98-99: Identifying Fractions
TeeJay Bk2a p100-101: Equivalent Fractions



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TeeJay Bk2a p102-103: Fractions of a Quantity (basic)

TeeJay Bk2a p104-105: Fractions of a Quantity

TeeJay Bk2a p106: Revisit-Review-Revise

TJ Homework Book 2a Chapter 11: Fractions

- Exercise 1, p41
- Exercise 2, p41
- Exercise 3, p42
- Exercise 4, p42
- Exercise 5, p43
- Revision Exercise, p43

White Rose Maths - Fractions Resources

Year 5 Fractions Activities

Year 5 Fractions Challenges

Year 5 Fractions End of Unit

Year 5 Fractions End of Unit Answers

Decimal Fractions

SHM6, p67 - Decimals: hundredths, using and applying, calculator

White Rose Maths - Decimals Resources

Year 5 Decimals Activities

Year 5 Decimals Challenges

Year 5 Decimals End of Unit

Year 5 Decimals End of Unit Answers

Percentages

SHM6, p69 - Percentages: concept

SHM6, p70 - Percentages: relationships, one whole is 100%

SHM6, p71 - Percentages: link with fractions

SHM6, p72 - Percentages: of a set/quantity

TeeJay Bk2a p107-108: What is a Percentage?



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TeeJay Bk2a p109: Linking Fractions, Decimals and Percentages

TeeJay Bk2a p110: Finding a (Simple) Percentage of a Quantity

TeeJay Bk2a p111: Percentages Using a Calculator

TeeJay Bk2a p112: Revisit-Review-Revise

TJ Homework Book 2a Chapter 12: Percentages

- Exercise 1, p45
- Exercise 2, p45
- Exercise 3, p46
- Exercise 4, p46
- Revision Exercise, p47

White Rose Maths - Decimals and Percentages Resources

Year 5 Decimals and Percentages Activities

Year 5 Decimals and Percentages Challenges

Year 5 Decimals and Percentages End of Unit

Year 5 Decimals and Percentages End of Unit Answers