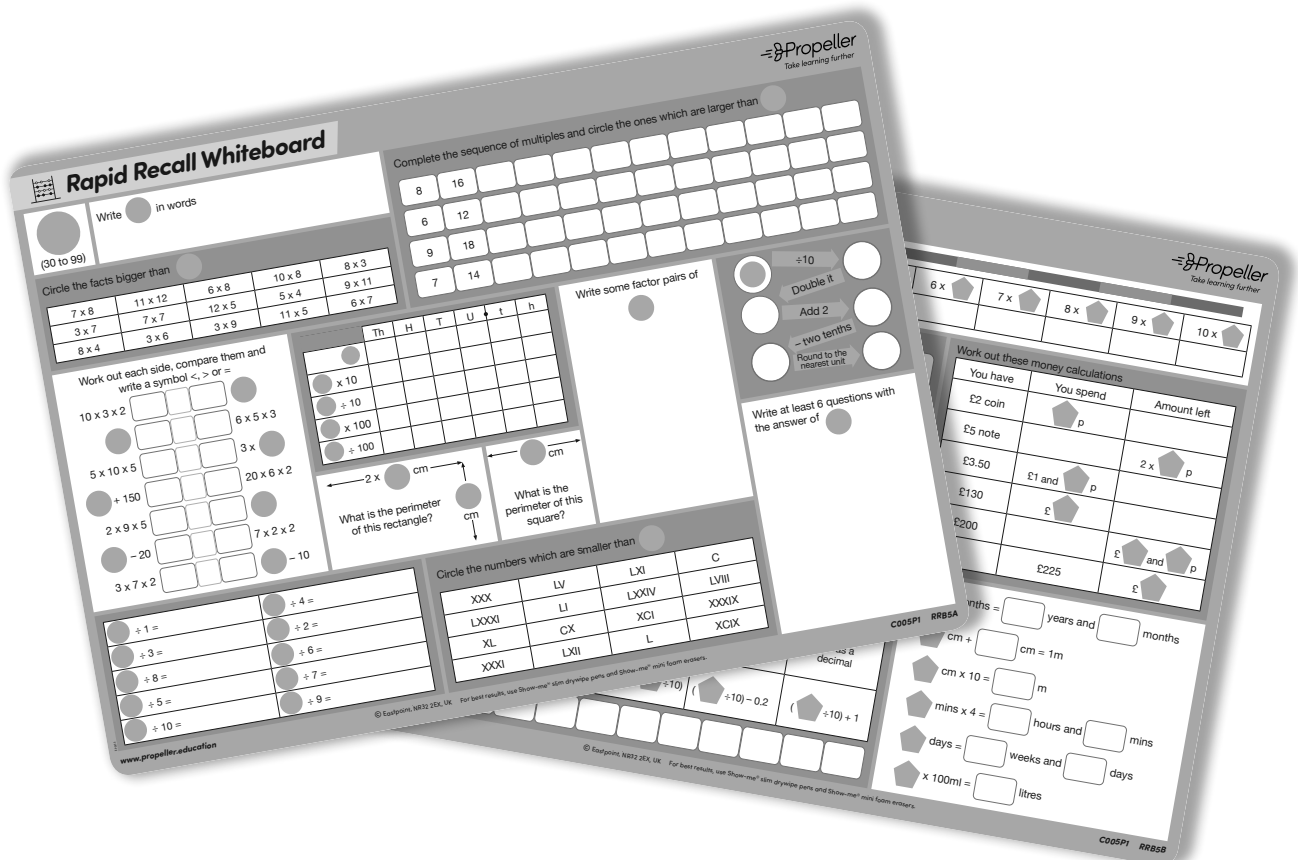


# Rapid Recall A3 Whiteboards

## Teacher Handbook

**For RRB5A & B**



**RAPID RECALL BOARDS**  
**YEAR 5 – SIDE A**

The children may have recall of these facts, work them out or use estimation with facts they do know e.g.  $7 \times 8$  is bigger than 36 because I know  $7 \times 5$  is 35.

The children have to work out the number on each side before comparing the answers.

The children may realise that the perimeter calculation is actually  $6 \times$  their number or they may work out each of the sides then add them together.

Children may find the spelling of the words challenging.

This looks at the place value changes when multiplying and dividing.

Depending on the number, there might not be any multiples bigger than their number.

[illegible]

In the answer sheets, it shows an answer with a remainder, an answer with the remainder converted to a fraction and the answer as a decimal where it is simple to convert. You can differentiate and choose to specify the type of answer you would like.

Roman numerals can be a challenging skill for the children. You may want to write up the value of the key symbols initially to assist them.



(30 to 99)

[illegible]

7 × 8	11 × 12	6 × 8	10 × 8	8 × 3
3 × 7	7 × 7	12 × 5	5 × 4	9 × 11
8 × 4	3 × 6	3 × 9	11 × 5	6 × 7

$10 \times 3 \times 2$					
					$6 \times 5 \times 3$
$5 \times 10 \times 5$					$3 \times$
$+ 150$					$20 \times 6 \times 2$
$2 \times 9 \times 5$					
$- 20$					$7 \times 2 \times 2$
$3 \times 7 \times 2$					$- 10$
















Th	H	T	U	t	h
					
 $\times 10$					
 $\div 10$					
 $\times 100$					
 $\div 100$					

Diagram showing a rectangle and a square. The rectangle has a horizontal side labeled  $2x$  and a vertical side labeled  $\text{cm}$ . The square has a side labeled  $\text{cm}$ . Arrows indicate the dimensions.

	$\div 1 =$		$\div 4 =$
	$\div 3 =$		$\div 2 =$
	$\div 8 =$		$\div 6 =$
	$\div 5 =$		$\div 7 =$
	$\div 10 =$		$\div 9 =$

XXX	LV	LXI	C
LXXXI	LI	LXXIV	LVIII
XL	CX	XCI	XXXIX
XXXI	LXII	L	XCIX

# RAPID RECALL BOARDS YEAR 5 – SIDE B

This features a counting stick image to support counting up in steps. Encourage them to complete the facts they can work out easily first e.g.  $2 \times$  is double,  $4 \times$  is double  $2 \times$ ,  $8 \times$  is double  $4 \times$  etc. Then they can work out the remaining numbers.

Ensure the children notice the sequence includes the feature number divided by 10 or 100, not the original number.

It is hard to be absolutely exact with the arrow but you are looking for an accurate estimate.

The answer is taken across each row to be used in the calculation, not the original number.

This can be challenging for the children as they have to calculate and convert between units. You may want to give children a reminder of the key unit conversions to help initially.

The children have a variety of missing number calculation to complete. This can be challenging to do mentally and they may initially want scrap paper or a whiteboard to help work out the smaller stages of the calculations.

If there are two decimals which are equal, they should list them next to each other.

**Rapid Recall Whiteboard**  
Take learning further

0 x 1 x 2 x 3 x 4 x 5 x 6 x 7 x 8 x 9 x 10 x

Draw an arrow to estimate  $\div 10$  10

Complete the sequence in steps of 0.1

Complete the sequence in steps of 0.01

Round to nearest 10

Work out these money calculations

You have	You spend	Amount left
£2 coin	p	
£5 note		2 x  p
£3.50	£1 and  p	
£130	£	£ and  p
£200	£225	£

months = years and months

cm + cm = 1m

cm x 10 = m

mins x 4 = hours and mins

days = weeks and days

x 100ml = litres

Work out the answers and write them in order from smallest to largest

$\div 10$	$\frac{1}{4}$ as a decimal	$\div 100$	$(\text{ } \div 10) + 0.5$	$\frac{3}{4}$ as a decimal
	$\frac{1}{2}$ as a decimal	Double $(\text{ } \div 10)$	$(\text{ } \div 10) - 0.2$	$(\text{ } \div 10) + 1$

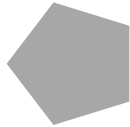
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C005P1 RR55B



# Rapid Recall Whiteboard

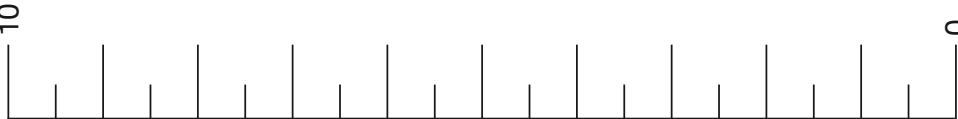


(30 to 99)

Draw an arrow to estimate



10



0 x	1 x	2 x	3 x	4 x	5 x	6 x	7 x	8 x	9 x	10 x

Complete the sequence in steps of 0.1


Complete the sequence in steps of 0.01


	+ 25	Round to nearest 10	- 19	x 2	x 100

Work out the answers and write them in order from smallest to largest

	1/4 as a decimal		( ) ÷ 10 + 0.5	3/4 as a decimal
	1/2 as a decimal	Double ( )	( ) ÷ 10 - 0.2	( ) ÷ 10 + 1


Work out these money calculations

You have	You spend	Amount left
£2 coin		
£5 note		
£3.50		
£130		
£200		

months = years and months

cm + cm = 1m

cm x 10 = m

mins x 4 = hours and mins

days = weeks and days

x 100ml = litres

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**NEW**

**CURRICULUM  
COMPLIANT**

## Have you seen the new Spintelligence kits?

Spintelligence Kits provide a flexible, versatile resource that will promote discussion and engagement in every subject. Choose packs from a wide range of different topics.

A range of activities are included to get you started. Then, using the set of blank drywipe templates, create your own games and activities.


Included in each Spintelligence Kit are 24 ready-to-use, colourful activity cards – 2 each of 12 activities. (except the starter kit which has 24 different activities). These introduce teachers to the amazing flexibility of the Spintelligence spinners range.

Each kit provides everything you need for children to instantly use the spinners and activities.

A range of drywipe blank templates are also included (4 each of 6 designs) to enable both adults and children to create their very own games and activities.

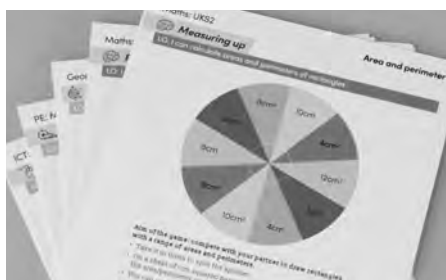
Spinners can be used individually, in pairs, groups or even as a whole class.

### Included in each kit:

-  4 x Spinners with non-slip rubber feet
-  24 x Assorted Blank Drywipe Template Cards
-  24 x Pre-printed Drywipe Activity Cards

## It's as easy as 1, 2, 3...

- 1** Look through the activity templates to gain an understanding of how the spinners can be used.
- 2** Choose one of these activity cards or create your own game using the blank spinner templates.
- 3** Put the spinner in place and spin to determine the action or question.



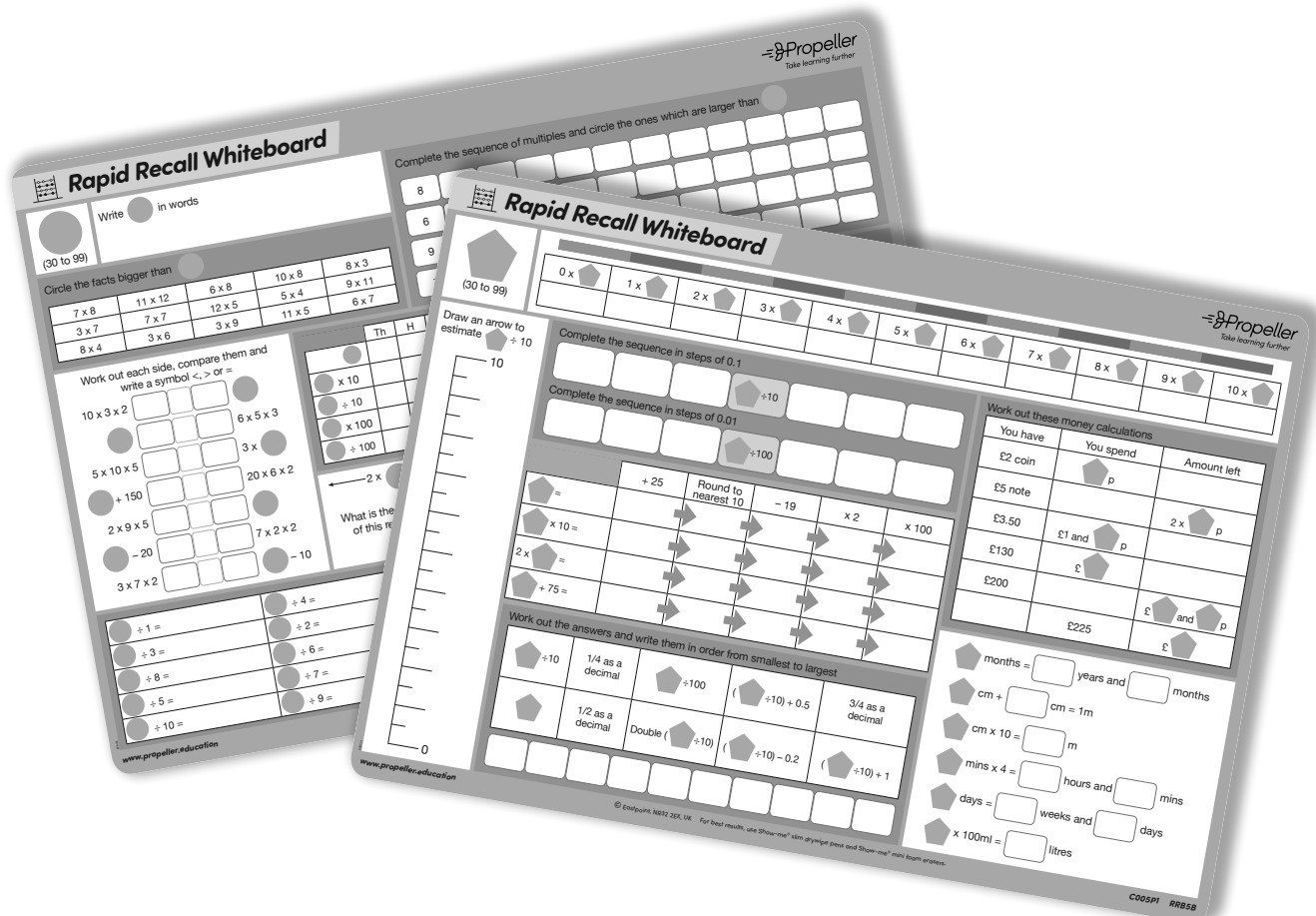
# WE'RE PUTTING A NEW SPIN ON LEARNING

Subject	Code	Key Stage	Kit Description
French	SPKF1	KS2	Greetings, numbers and colours
	SPKF2	KS2	Me, my family and friends
	SPKF3	KS2	Calendar, seasons and time
History	SPKH1	KS1	The Great Fire of London
	SPKH2	KS1	Space
	SPKH3	KS2	Stone Age to Iron Age
	SPKH4	KS2	The Mayan Civilisation
Geography	SPKG1	KS1	Where in the world
	SPKG2	KS1	Exploring the United Kingdom
	SPKG3	KS2	Where in the world
	SPKG4	KS2	Rocks, volcanoes and earthquakes
	SPKG5	KS2	South America
Music	SPKMS1	KS1	Rhythm
	SPKMS2	KS1	Graphic scores
	SPKMS3	KS2	Musical notation
	SPKMS4	KS2	Orchestra and instruments
Science	SPKS1	KS1	Working scientifically
	SPKS2	KS1	Plants
	SPKS3	LKS2	Living things (6 plants and 6 animals)
	SPKS4	LKS2	Forces and magnets
	SPKS5	UKS2	Space
	SPKS6	UKS2	Micro-organisms, animals and evolution
English	SPKE1	Foundation	Phase 2 phonics
	SPKE2	Foundation	Phase 3 phonics
	SPKE3	Foundation	Phase 4 phonics
	SPKE4	KS1	Year 1 - Phase 5 phonics
	SPKE5	KS1	Year 1 - Grammar and punctuation
	SPKE6	KS1	Year 2 - Punctuation
	SPKE7	KS1	Year 2 - Grammar
	SPKE8	LKS2	Year 3 - Punctuation
	SPKE9	LKS2	Year 3 - Grammar
	SPKE10	LKS2	Year 4 - Punctuation
	SPKE11	LKS2	Year 4 - Grammar
	SPKE12	UKS2	Year 5 - Punctuation
	SPKE13	UKS2	Year 5 - Grammar
	SPKE14	UKS2	Year 6 - Punctuation
	SPKE15	UKS2	Year 6 - Grammar
Maths	SPKMT1	KS1	Year 1 - Number
	SPKMT2	KS1	Year 1 - Calculation
	SPKMT3	KS1	Year 2 - Number
	SPKMT4	KS1	Year 2 - Calculation
	SPKMT5	KS1	KS1 Fractions
	SPKMT6	LKS2	Year 3 - Number and Place value
	SPKMT7	LKS2	Year 3 - Calculation
	SPKMT8	LKS2	Year 3 - Fractions and decimals
	SPKMT9	LKS2	Year 4 - Number and Place value
	SPKMT10	LKS2	Year 4 - Calculation
	SPKMT11	LKS2	Year 4 - Fractions and decimals
	SPKMT12	UKS2	Year 5 - Number and Place value
	SPKMT13	UKS2	Year 5 - Fractions, decimals and percentages
	SPKMT14	UKS2	Year 6 - Number and Place value
	SPKMT15	UKS2	Year 6 - Fractions, decimals and percentages
	SPKMT16	UKS2	Year 6 - Algebra, ratio and proportion
8 Different Subjects	SPKMC1	Multi-keystage	Multi-Curricular Starter Spinners Kit
Individual spinners	SPIN10A	Multi-keystage	Classpack of 10 spinners in assorted colours (Cards not included)

OTHER LARGER 'BULK BUY' PACKS AVAILABLE - see [www.propeller.education](http://www.propeller.education)

# Propeller<sup>®</sup>

Take learning further



## Care of your Rapid Recall Boards

Always wipe drywipe ink off your boards as soon after use as possible. When ink is left for too long on any whiteboard surface it can cause 'ghosting' or residue to be left.

As with all whiteboards, you will need to regularly clean the surface of your Rapid Recall Boards using a whiteboard cleaning spray and a soft cloth.

Purchase these items at [www.propeller.education](http://www.propeller.education)

**[www.propeller.education](http://www.propeller.education)**

 @propeller\_learn

Booklet code: **TGN/C005**