

NC5-2

Game – Factor fun

Name

Factors

_____	☐ ☐	_____
_____	☐ ☐	_____
_____	☐ ☐	_____
_____	☐ ☐	_____

NC5-2

Game – Factor fun

Name

Factors

_____	☐ ☐	_____
_____	☐ ☐	_____
_____	☐ ☐	_____
_____	☐ ☐	_____

NC5-2

Game – Factor fun

Name

Factors

_____	☐ ☐	_____
_____	☐ ☐	_____
_____	☐ ☐	_____
_____	☐ ☐	_____

NC5-14

Game – Grand total

+					

NC5-14

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+					

NC5-14

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+					

NC5-14

Game – Grand total

+					

NC5-14

Game – Grand total

+					

NC5-14

Game – Grand total

+					

NC5-14

Game – Big difference

NC5-14

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NC5-14

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NC5-14

Game – Big difference

NC5-14

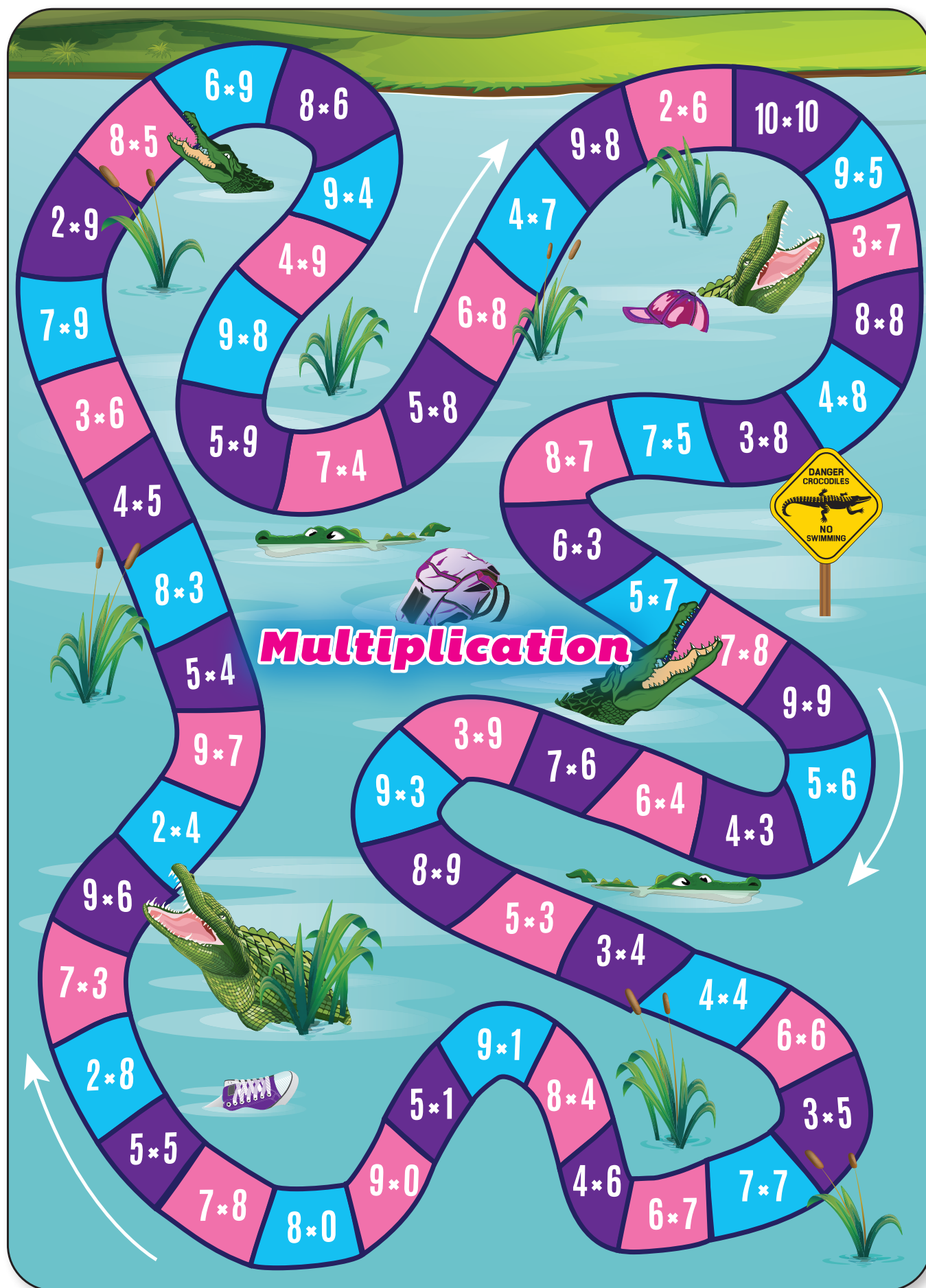
Game – Big difference

NC5-14

Game – Big difference

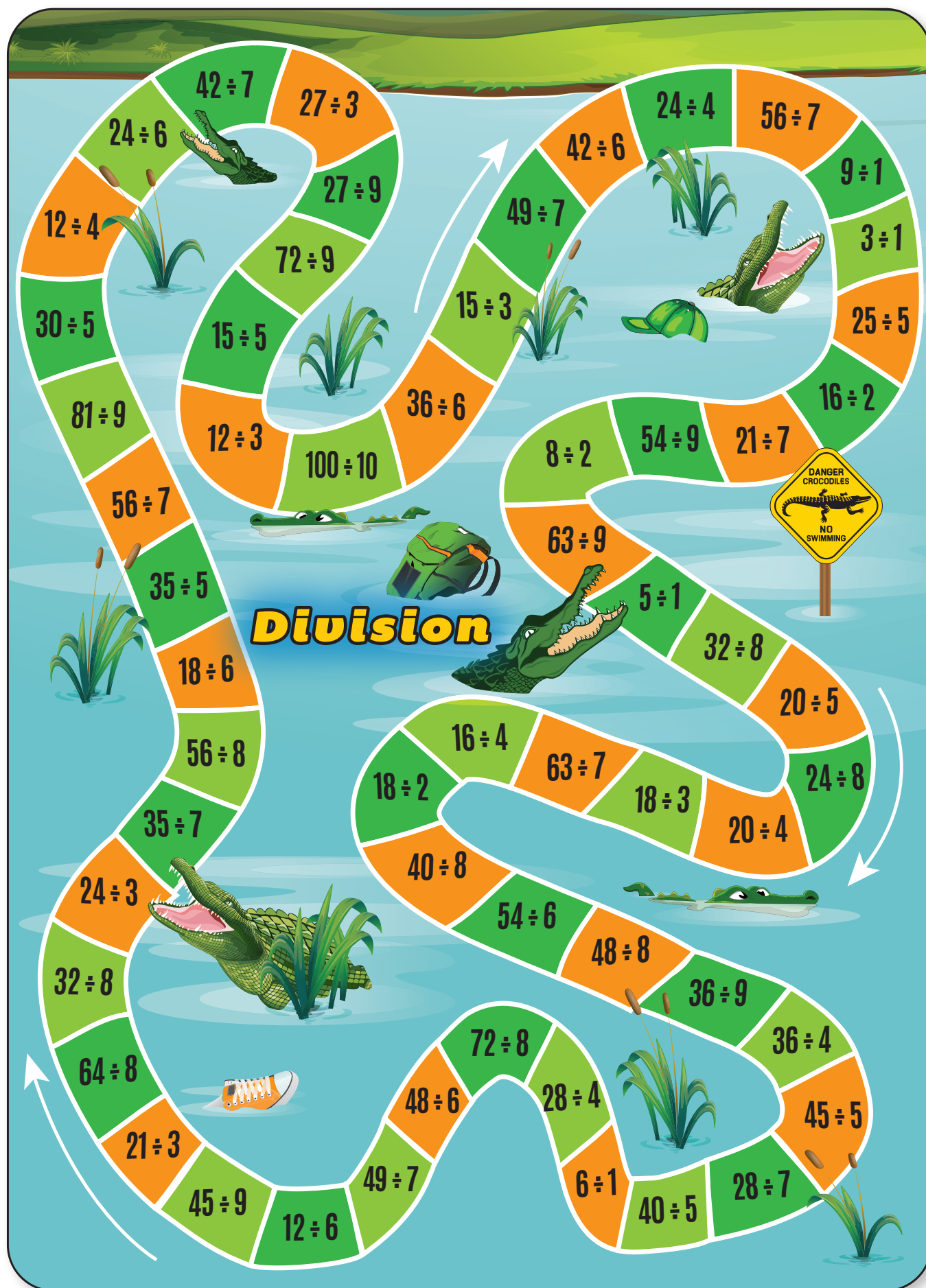
NC5-15

Game – Watch out for the crocs! Multiplication board



NC5-15

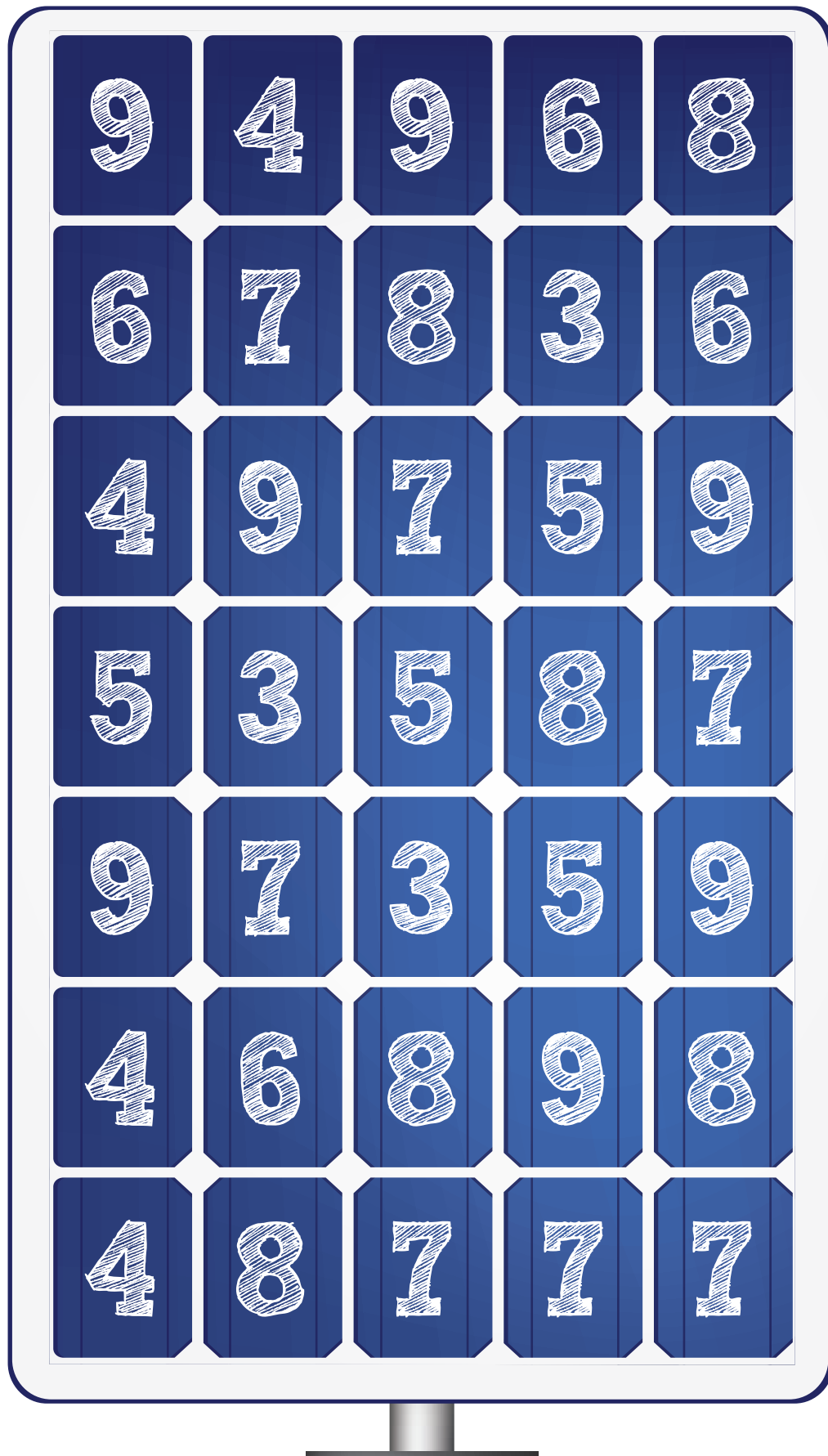
Game – Watch out for the crocs! Division board



NC5-18

Game 1 – Make a family

Panel



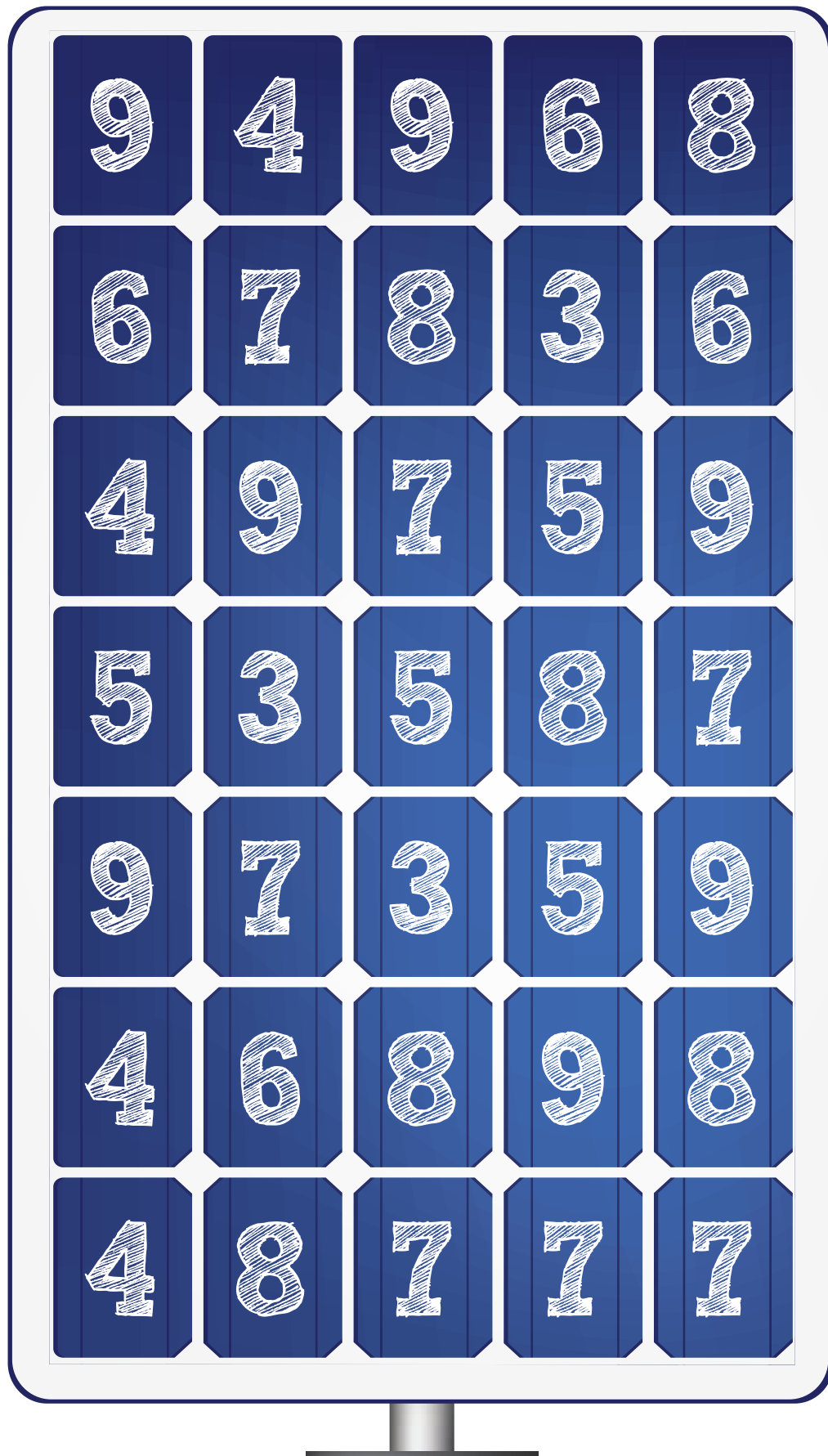
Target numbers



NC5-18

Game 2 – Target

Panel



Target numbers



NC5-20

Puzzle

Answer these questions first.

Then shade the answers on the grid to make a picture.

$3 \times 10 = \underline{\quad}$ $7 \times 7 = \underline{\quad}$ $3 \times 8 = \underline{\quad}$ $10 \times 10 = \underline{\quad}$ $5 \times 5 = \underline{\quad}$ $14 \div 2 = \underline{\quad}$

$63 \div 7 = \underline{\quad}$ $40 \div 5 = \underline{\quad}$ $32 \div 8 = \underline{\quad}$ $12 \div 2 = \underline{\quad}$ $8 \times 5 = \underline{\quad}$ $5 \times 9 = \underline{\quad}$

$2 \times 10 = \underline{\quad}$ $4 \times 7 = \underline{\quad}$ $6 \times 6 = \underline{\quad}$ $15 \div 5 = \underline{\quad}$ $72 \div 9 = \underline{\quad}$ $48 \div 8 = \underline{\quad}$

$36 \div 4 = \underline{\quad}$ $18 \div 2 = \underline{\quad}$ $3 \times 5 = \underline{\quad}$ $6 \times 3 = \underline{\quad}$ $7 \times 6 = \underline{\quad}$ $8 \times 2 = \underline{\quad}$

$9 \times 8 = \underline{\quad}$ $45 \div 5 = \underline{\quad}$ $20 \div 4 = \underline{\quad}$ $8 \div 2 = \underline{\quad}$ $50 \div 10 = \underline{\quad}$ $56 \div 8 = \underline{\quad}$

$4 \times 8 = \underline{\quad}$ $9 \times 9 = \underline{\quad}$ $6 \times 4 = \underline{\quad}$ $9 \times 2 = \underline{\quad}$ $3 \times 4 = \underline{\quad}$ $24 \div 3 = \underline{\quad}$

$12 \div 4 =$ _____ $20 \div 5 =$ _____ $42 \div 6 =$ _____ $21 \div 7 =$ _____ $6 \times 2 =$ _____ $6 \times 8 =$ _____

$3 \times 7 = \underline{\quad}$ $7 \times 2 = \underline{\quad}$ $7 \times 5 = \underline{\quad}$ $24 \div 8 = \underline{\quad}$ $72 \div 8 = \underline{\quad}$ $45 \div 9 = \underline{\quad}$

$30 \div 5 = \underline{\quad}$ $28 \div 7 = \underline{\quad}$ $4 \times 4 = \underline{\quad}$ $9 \times 3 = \underline{\quad}$ $9 \times 4 = \underline{\quad}$ $7 \times 8 = \underline{\quad}$

$9 \times 7 = \underline{\quad}$ $30 \div 6 = \underline{\quad}$ $18 \div 3 = \underline{\quad}$ $35 \div 5 = \underline{\quad}$ $56 \div 7 = \underline{\quad}$ $54 \div 6 = \underline{\quad}$

$63 \div 9 = \underline{\quad}$ $9 \times 6 = \underline{\quad}$ $64 \div 8 = \underline{\quad}$ $8 \times 8 = \underline{\quad}$

61	82	52	99	79	47	95	97	50 36	50 27	49
91	80	67	78	51	55	46	94	25 51	7	65
68	85 18	53	84	86 56	57	11	44	13	20	62
92	9	6	24	5	59	58	43	39	30	90
76	4	63	8	15	60 7	49	9	41 64	18	66
93	4 69	8	42	72	21	12	48	9	24	70
96	98 7	9	40	16	6	81	3	28	45	80 9
83 4	5	54	6	5	14	3	35	8	32	8 79
5 77	7	4	16 38	22	17	19	9	36	8 71	77
75	3 77	3	95	33	23	100	7	12	6 41	74 73

NC5–23

6 Fill in the cross-number using these clues.

ACROSS

1 59×3

4 28×7

7 89×4

8 219×4

9 165×5

10 $252 \div 9$

11 $288 \div 8$

13 $225 \div 5$

15 115×7

17 $208 \div 8$

19 72×9

10 $564 \div 6$

DOWN

1 23×6

2 188×4

3 153×5

4 $162 \div 9$

5 324×3

6 167×4

12 $448 \div 7$

13 81×6

14 168×3

16 $522 \div 9$

17 $203 \div 7$

18 $256 \div 4$

1.	2.	3.		4.	5.	6.
7.				8.		
9.					10.	
			11.	12.		
13.	14.					
15.		16.			17.	18.
19.					20.	

NC5–23

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1.	2.	3.		4.	5.	6.
7.				8.		
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			11.	12.		
13.	14.					
15.		16.			17.	18.
19.					20.	

NC5–23

9 Challenge

- a** On your copy put the digits 3, 5, 6, and 8 in the boxes to make it true.

$$\begin{array}{r} \square \square \square \\ \times \quad \square \\ \hline 1974 \end{array}$$

- b** Which digits go in the boxes to make these true? Find as many different answers as you can.

i

$$\begin{array}{r} \square \square \square \\ \times \quad \square \\ \hline 624 \end{array}$$

ii

$$\begin{array}{r} \square \square \square \\ \times \quad \square \\ \hline 5744 \end{array}$$

iii

$$\begin{array}{r} \square \square \square \square \\ \times \quad \square \\ \hline 16132 \end{array}$$

NC5–23

9 Challenge

- a** On your copy put the digits 3, 5, 6, and 8 in the boxes to make it true.

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$$\begin{array}{r} \square \square \square \\ \times \quad \square \\ \hline 624 \end{array}$$

ii

$$\begin{array}{r} \square \square \square \\ \times \quad \square \\ \hline 5744 \end{array}$$

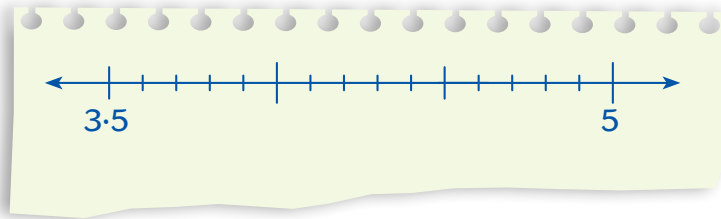
iii

$$\begin{array}{r} \square \square \square \square \\ \times \quad \square \\ \hline 16132 \end{array}$$

NC5-31

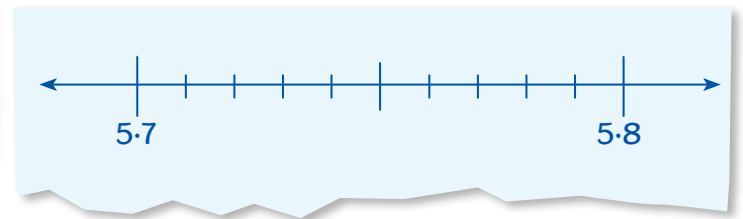
- 1 Put these decimals on this number line

4.6 4.8 3.9 4



- 2 Put these decimals on this number line

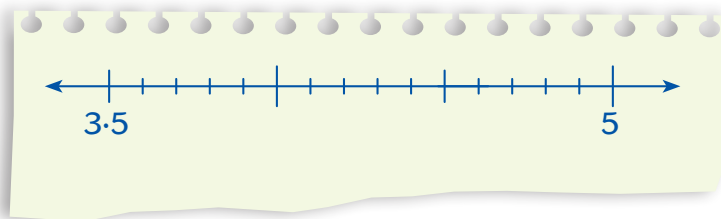
5.79 5.72 5.76



NC5-31

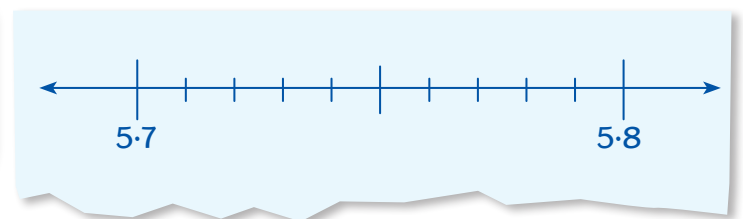
- 1 Put these decimals on this number line

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- 2 Put these decimals on this number line

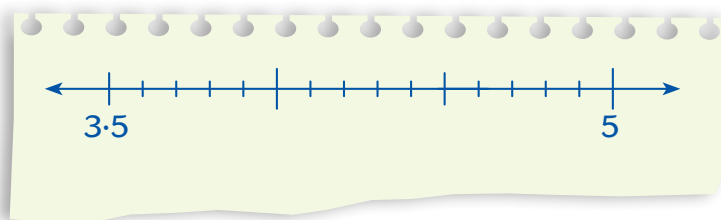
5.79 5.72 5.76



NC5-31

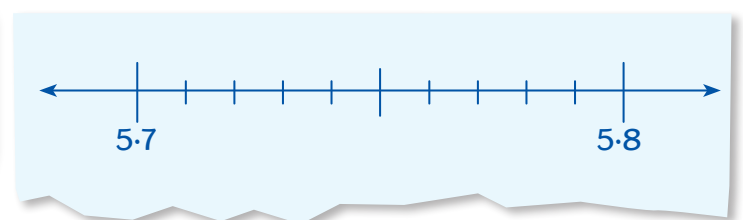
- 1 Put these decimals on this number line

4.6 4.8 3.9 4



- 2 Put these decimals on this number line

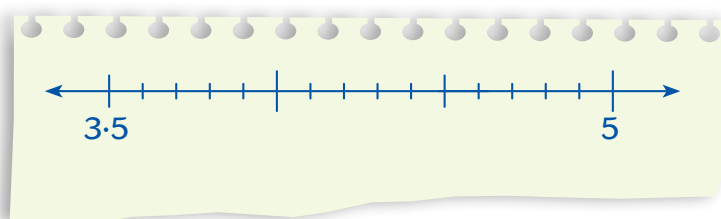
5.79 5.72 5.76



NC5-31

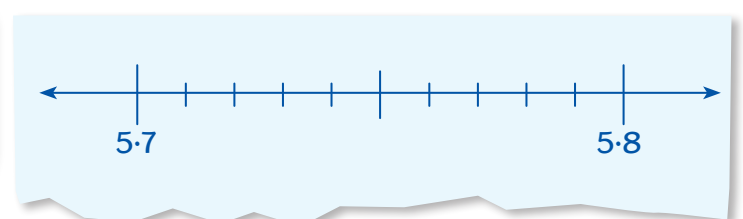
- 1 Put these decimals on this number line

4.6 4.8 3.9 4



- 2 Put these decimals on this number line

5.79 5.72 5.76



NC5-33

- 3 Work out the **fraction or decimal** that goes in the gaps.
Write the letter on the line above that number. The first one has been done.

$$\frac{1}{10} \quad 0.54 \quad \frac{7}{100} \quad 1\frac{43}{100} \quad \frac{7}{100} \quad \frac{4}{10} \quad 1\frac{43}{100} \quad \frac{7}{100} \quad \frac{1}{100} \quad 0.02 \quad \frac{7}{100} \quad 1\frac{43}{100}$$

1 000 000

N

$$\frac{1}{2} \quad 0.54 \quad \frac{7}{100} \quad \frac{7}{100} \quad 0.06 \quad 0.32 \quad \frac{45}{100} \quad \frac{1}{10} \quad 0.54 \quad \frac{7}{10}$$

$$\frac{80}{100} \quad \frac{1}{100} \quad \frac{45}{100} \quad \frac{6}{10} \quad 1\frac{43}{100} \quad \frac{7}{100} \quad \frac{4}{10} \quad \frac{3}{4} \quad 0.54 \quad \frac{4}{10} \quad 1\frac{43}{100} \quad \frac{7}{100} \quad \frac{4}{10}$$

N $0.45 = \frac{45}{100}$ O $0.01 = \underline{\hspace{2cm}}$ T $0.1 = \underline{\hspace{2cm}}$ C $0.75 = \underline{\hspace{2cm}}$ S $0.50 = \underline{\hspace{2cm}}$

E $0.07 = \underline{\hspace{2cm}}$ A $0.4 = \underline{\hspace{2cm}}$ R $1.43 = \underline{\hspace{2cm}}$ L $0.80 = \underline{\hspace{2cm}}$ G $0.60 = \underline{\hspace{2cm}}$

H 54 hundredths = $\underline{\hspace{2cm}}$ I 32 hundredths = $\underline{\hspace{2cm}}$ V $\frac{2}{100} = \underline{\hspace{2cm}}$ P $\frac{6}{100} = \underline{\hspace{2cm}}$

NC5-33

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1 000 000

N

$$\frac{1}{2} \quad 0.54 \quad \frac{7}{100} \quad \frac{7}{100} \quad 0.06 \quad 0.32 \quad \frac{45}{100} \quad \frac{1}{10} \quad 0.54 \quad \frac{7}{10}$$

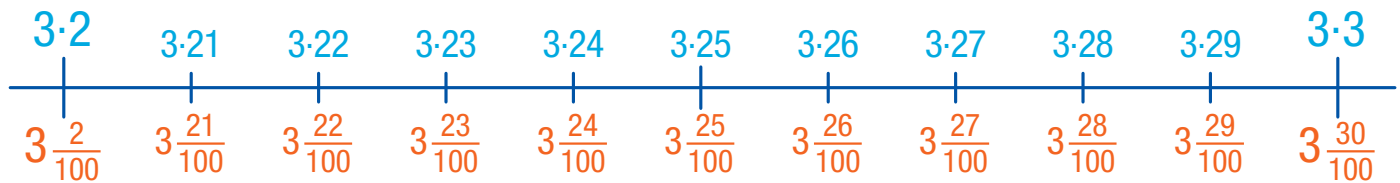
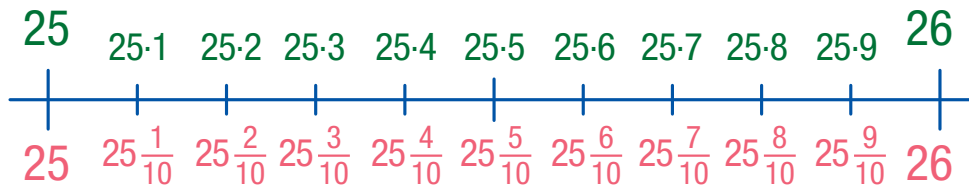
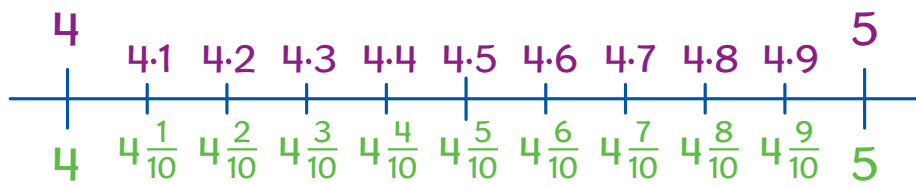
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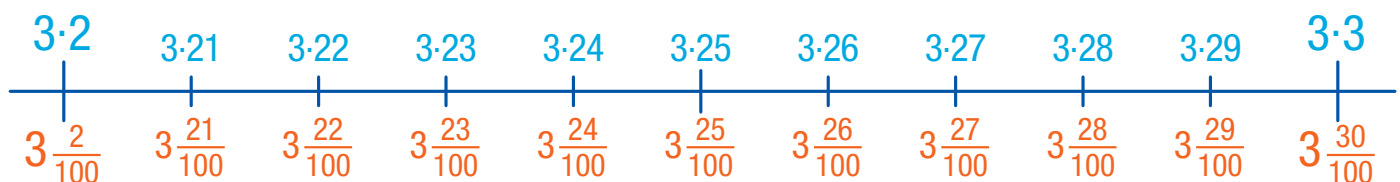
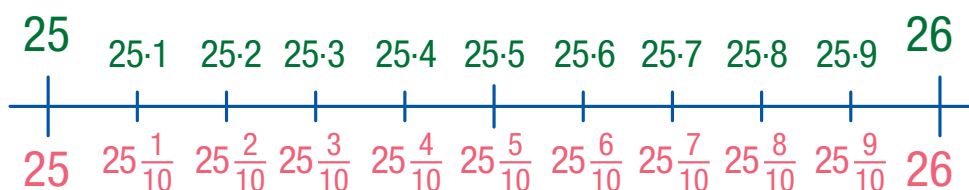
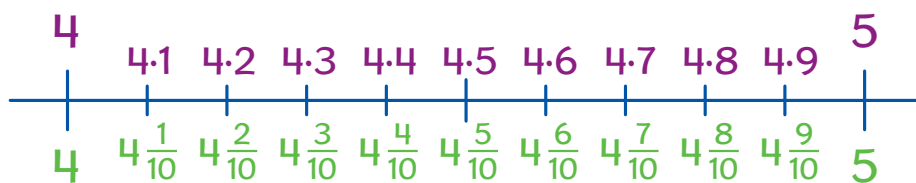
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H 54 hundredths = $\underline{\hspace{2cm}}$ I 32 hundredths = $\underline{\hspace{2cm}}$ V $\frac{2}{100} = \underline{\hspace{2cm}}$ P $\frac{6}{100} = \underline{\hspace{2cm}}$

NC5-34



NC5-34



NC5–38

2

V

$\frac{7}{12}$	$\frac{2}{5}$	$\frac{5}{8}$	$\frac{1}{7}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{2}{3}$	$\frac{2}{5}$	$\frac{1}{3}$	$\frac{4}{5}$
----------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------

$\frac{1}{7}$	$\frac{1}{6}$	$\frac{2}{5}$	$\frac{1}{8}$	$\frac{3}{4}$	$\frac{7}{12}$	$\frac{1}{4}$	$\frac{1}{7}$
---------------	---------------	---------------	---------------	---------------	----------------	---------------	---------------

Write these fractions in their simplest form.

Find the answer above. Write the letter in the boxes above the answer.

V $\frac{6}{12} = \frac{1}{2}$	U $\frac{3}{9} =$ _____	T $\frac{2}{12} =$ _____	O $\frac{4}{10} =$ _____	H $\frac{5}{20} =$ _____
E $\frac{6}{16} =$ _____	A $\frac{6}{8} =$ _____	R $\frac{12}{15} =$ _____	F $\frac{4}{6} =$ _____	
M $\frac{3}{24} =$ _____	S $\frac{3}{21} =$ _____	W $\frac{10}{16} =$ _____	C $\frac{14}{24} =$ _____	

NC5–38

2

V

$\frac{7}{12}$	$\frac{2}{5}$	$\frac{5}{8}$	$\frac{1}{7}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{2}{3}$	$\frac{2}{5}$	$\frac{1}{3}$	$\frac{4}{5}$
----------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------

$\frac{1}{7}$	$\frac{1}{6}$	$\frac{2}{5}$	$\frac{1}{8}$	$\frac{3}{4}$	$\frac{7}{12}$	$\frac{1}{4}$	$\frac{1}{7}$
---------------	---------------	---------------	---------------	---------------	----------------	---------------	---------------

Write these fractions in their simplest form.

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V $\frac{6}{12} = \frac{1}{2}$	U $\frac{3}{9} =$ _____	T $\frac{2}{12} =$ _____	O $\frac{4}{10} =$ _____	H $\frac{5}{20} =$ _____
E $\frac{6}{16} =$ _____	A $\frac{6}{8} =$ _____	R $\frac{12}{15} =$ _____	F $\frac{4}{6} =$ _____	
M $\frac{3}{24} =$ _____	S $\frac{3}{21} =$ _____	W $\frac{10}{16} =$ _____	C $\frac{14}{24} =$ _____	

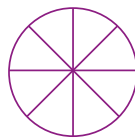
NC5-41

1 Colour parts of the diagrams to help you find the answers.

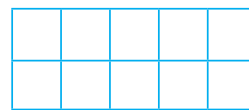
a $\frac{1}{5} + \frac{2}{5}$



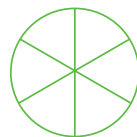
b $\frac{3}{8} + \frac{2}{8}$



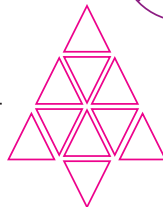
c $\frac{4}{10} + \frac{3}{10}$



d $\frac{2}{6} + \frac{3}{6}$



e $\frac{3}{10} + \frac{6}{10}$



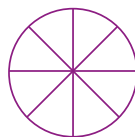
NC5-41

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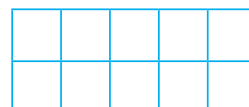
a $\frac{1}{5} + \frac{2}{5}$



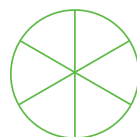
b $\frac{3}{8} + \frac{2}{8}$



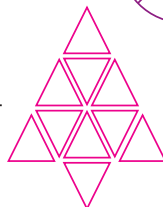
c $\frac{4}{10} + \frac{3}{10}$



d $\frac{2}{6} + \frac{3}{6}$



e $\frac{3}{10} + \frac{6}{10}$



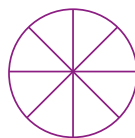
NC5-41

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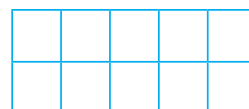
a $\frac{1}{5} + \frac{2}{5}$



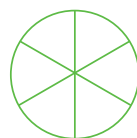
b $\frac{3}{8} + \frac{2}{8}$



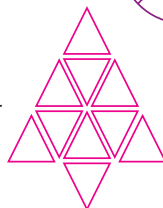
c $\frac{4}{10} + \frac{3}{10}$



d $\frac{2}{6} + \frac{3}{6}$



e $\frac{3}{10} + \frac{6}{10}$



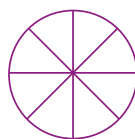
NC5-41

1 Colour parts of the diagrams to help you find the answers.

a $\frac{1}{5} + \frac{2}{5}$



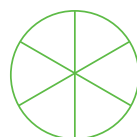
b $\frac{3}{8} + \frac{2}{8}$



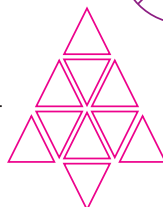
c $\frac{4}{10} + \frac{3}{10}$



d $\frac{2}{6} + \frac{3}{6}$



e $\frac{3}{10} + \frac{6}{10}$



NC5-43

1 Use these grids to help you find the answers.

a $\frac{6}{8} - \frac{3}{8}$ 

b $\frac{9}{10} - \frac{6}{10}$ 

c $\frac{5}{6} - \frac{6}{6}$ 

d $\frac{8}{8} - \frac{3}{8}$ 

e $1 - \frac{7}{8}$ 

f $1 - \frac{2}{5}$ 

NC5-43

1 Use these grids to help you find the answers.

a $\frac{6}{8} - \frac{3}{8}$ 

b $\frac{9}{10} - \frac{6}{10}$ 

c $\frac{5}{6} - \frac{6}{6}$ 

d $\frac{8}{8} - \frac{3}{8}$ 

e $1 - \frac{7}{8}$ 

f $1 - \frac{2}{5}$ 

NC5-43

1 Use these grids to help you find the answers.

a $\frac{6}{8} - \frac{3}{8}$ 

b $\frac{9}{10} - \frac{6}{10}$ 

c $\frac{5}{6} - \frac{6}{6}$ 

d $\frac{8}{8} - \frac{3}{8}$ 

e $1 - \frac{7}{8}$ 

f $1 - \frac{2}{5}$ 

NC5-43

1 Use these grids to help you find the answers.

a $\frac{6}{8} - \frac{3}{8}$ 

b $\frac{9}{10} - \frac{6}{10}$ 

c $\frac{5}{6} - \frac{6}{6}$ 

d $\frac{8}{8} - \frac{3}{8}$ 

e $1 - \frac{7}{8}$ 

f $1 - \frac{2}{5}$ 

NC5-43

1 Use these grids to help you find the answers.

a $\frac{6}{8} - \frac{3}{8}$ 

b $\frac{9}{10} - \frac{6}{10}$ 

c $\frac{5}{6} - \frac{6}{6}$ 

d $\frac{8}{8} - \frac{3}{8}$ 

e $1 - \frac{7}{8}$ 

f $1 - \frac{2}{5}$ 

NC5-47

1



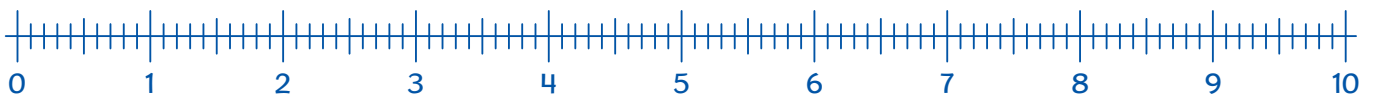
NC5-47

1



NC5-47

1



NC5–51

Practical – Piles of Money

4

Denomination	Number	Equation	Total
\$100			
\$50			
\$20			
\$10			
\$5			
\$2			
\$1			



NC5–51

Practical – Piles of Money

4

Denomination	Number	Equation	Total
\$100			
\$50			
\$20			
\$10			
\$5			
\$2			
\$1			

NC5–57

2 a	Number of windows	1	2	3	4	5
	Number of rods	6	12	18		
3 a	Group number	1	2	3	4	5
	Number of bubbles	2	4	6		
4 a	Number of pens	1	2	3	4	5
	Number of rails	4	8	12		

NC5–57

2 a	Number of windows	1	2	3	4	5
	Number of rods	6	12	18		
3 a	Group number	1	2	3	4	5
	Number of bubbles	2	4	6		
4 a	Number of pens	1	2	3	4	5
	Number of rails	4	8	12		

NC5–57

2 a	Number of windows	1	2	3	4	5
	Number of rods	6	12	18		
3 a	Group number	1	2	3	4	5
	Number of bubbles	2	4	6		
4 a	Number of pens	1	2	3	4	5
	Number of rails	4	8	12		

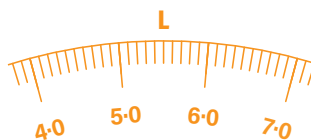
NC5-61

Draw a pointer to show the number written beside the scale.

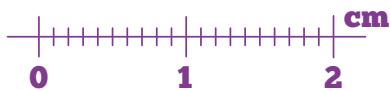
4 a 4.6



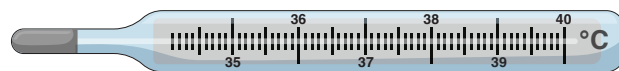
b 5.1



c 0.9



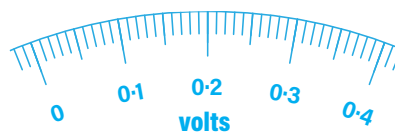
d 37.6



e 7.16



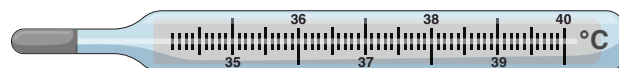
f 0.13



g 0.6



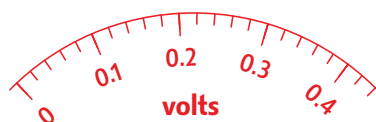
h 36.7



i 9.18



j 0.27



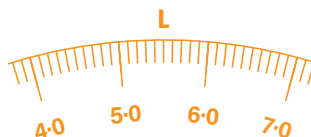
NC5-61

Draw a pointer to show the number written beside the scale.

4 a 4.6



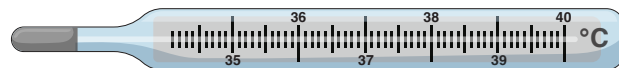
b 5.1



c 0.9



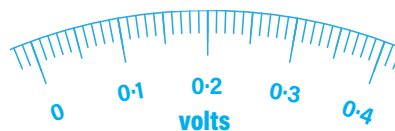
d 37.6



e 7.16



f 0.13



g 0.6



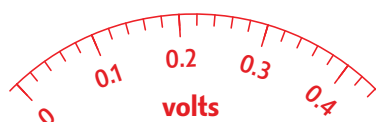
h 36.7



i 9.18



j 0.27



NC5–69

6 Fill in the empty spaces on Koko's chart.

Task	Start Time	End Time	Length
Fly home to nest	3:15 pm	3:30 pm	
Feed chicks	10 past 4	20 past 4	
Short sleep	5:40 pm	5:50 pm	
Flying practice	7:35 am		10 minutes
Repair nest	10 past 9		15 minutes
Eat worms	12:25 pm		20 minutes

NC5–69

6 Fill in the empty spaces on Koko's chart.

Task	Start Time	End Time	Length
Fly home to nest	3:15 pm	3:30 pm	
Feed chicks	10 past 4	20 past 4	
Short sleep	5:40 pm	5:50 pm	
Flying practice	7:35 am		10 minutes
Repair nest	10 past 9		15 minutes
Eat worms	12:25 pm		20 minutes

NC5–69

6 Fill in the empty spaces on Koko's chart.

Task	Start Time	End Time	Length
Fly home to nest	3:15 pm	3:30 pm	
Feed chicks	10 past 4	20 past 4	
Short sleep	5:40 pm	5:50 pm	
Flying practice	7:35 am		10 minutes
Repair nest	10 past 9		15 minutes
Eat worms	12:25 pm		20 minutes

NC5–70

Practical – How long?

1 a

Bounce a ball 100 times

start _____

end _____

Walk to the school office and back

start _____

end _____

Run 200 metres

start _____

end _____

Do 50 star jumps

start _____

end _____

NC5–70

Practical – How long?

1 a

Bounce a ball 100 times

start _____

end _____

Walk to the school office and back

start _____

end _____

Run 200 metres

start _____

end _____

Do 50 star jumps

start _____

end _____

NC5–70

Practical – How long?

1 a

Bounce a ball 100 times

start _____

end _____

Walk to the school office and back

start _____

end _____

Run 200 metres

start _____

end _____

Do 50 star jumps

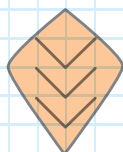
start _____

end _____

NC5–74

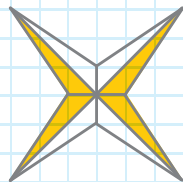
- 2 Enlarge each of the shapes by the scale factor given in red.

a



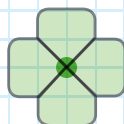
Scale factor 2

b



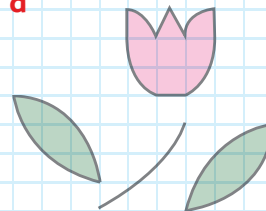
Scale factor $\frac{1}{2}$

c



Scale factor 3

d

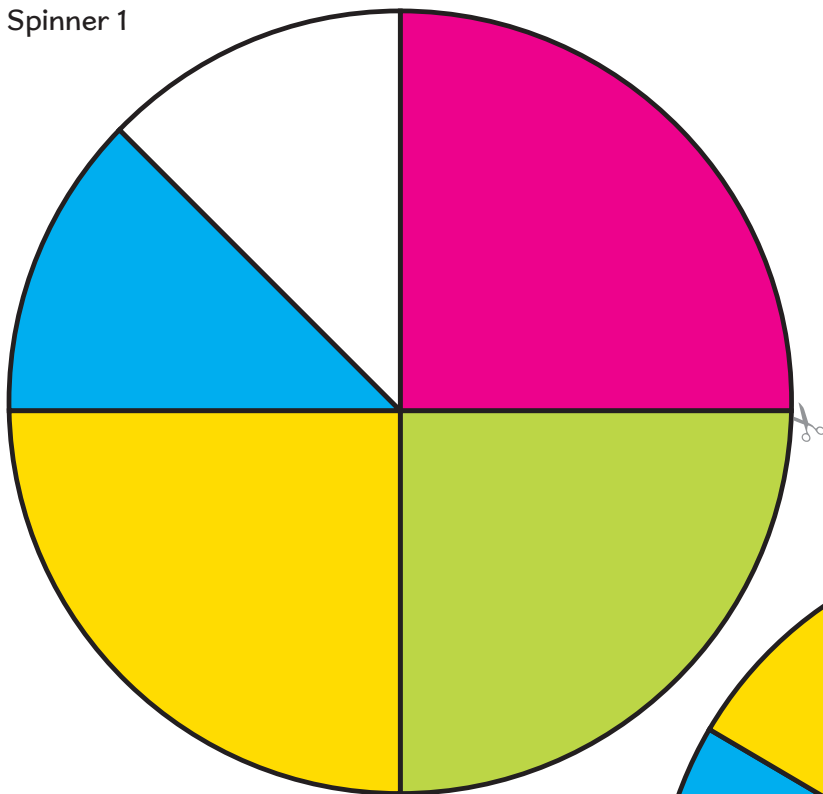


Scale factor $\frac{1}{3}$

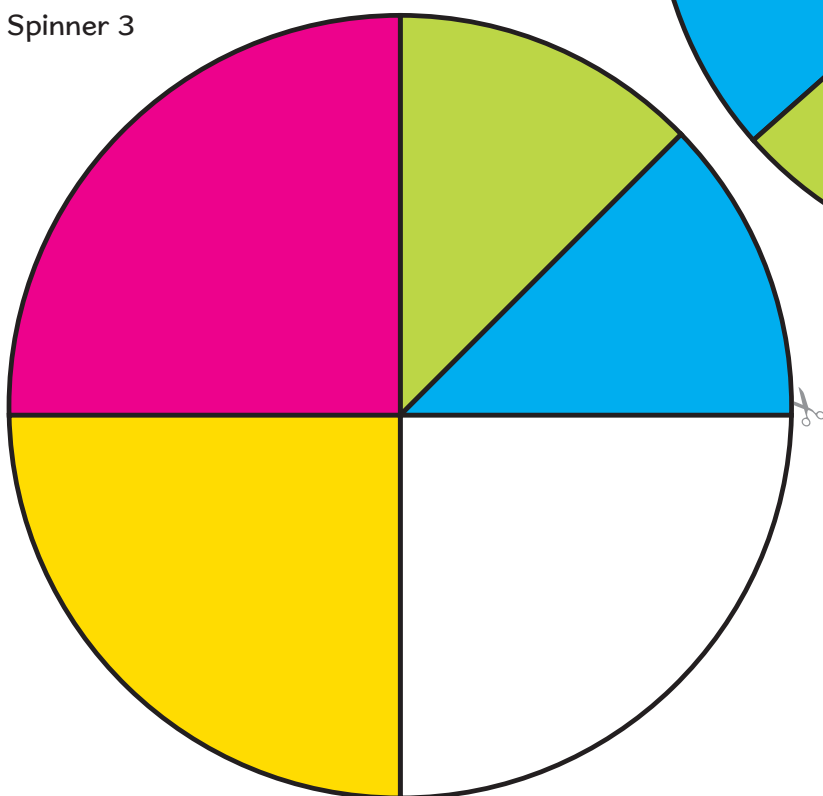
NC5-79

Practical – Spinning fun

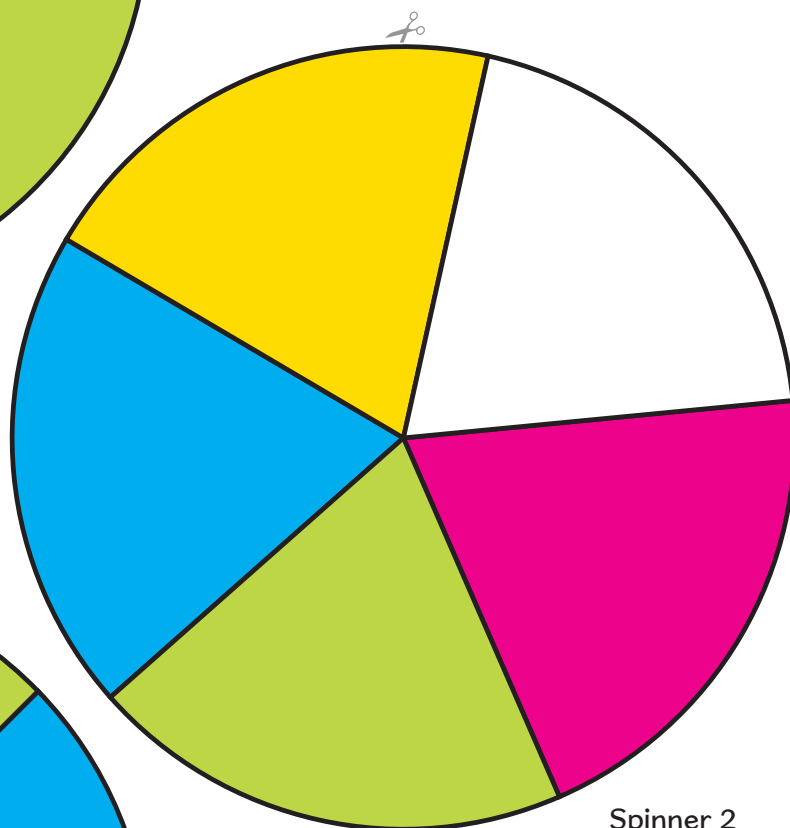
Spinner 1



Spinner 3



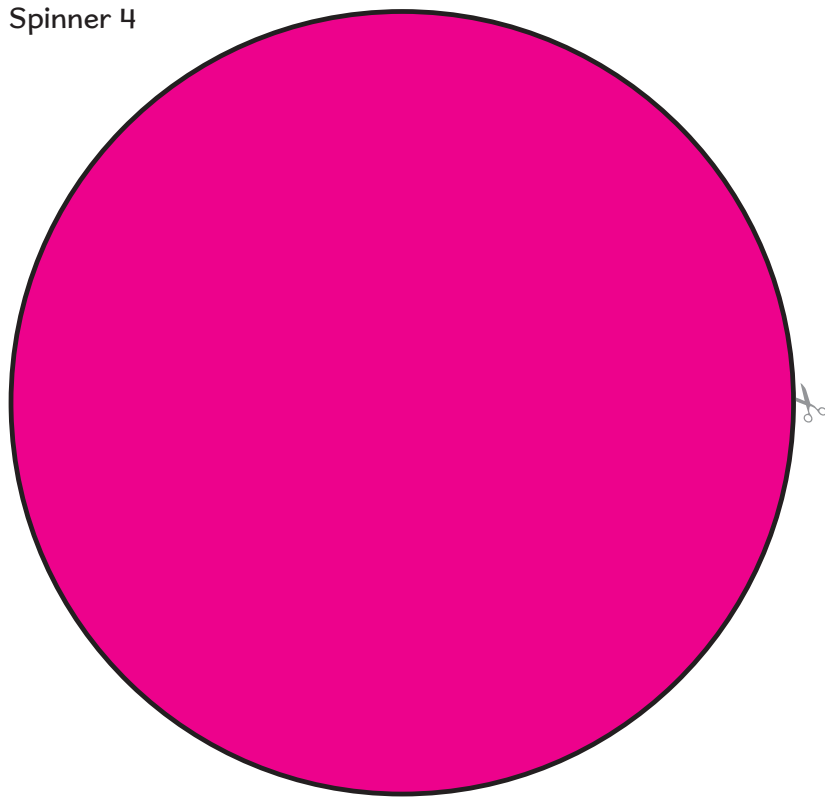
Spinner 2



NC5-79

Practical – Spinning fun

Spinner 4



Spinner 5

