

Activity sheets

Set 2

Cross-number puzzle 1

1		2	3		4		5	6	
3		7		8			9		
10	11					12			13
			14			15			
16			17						
18						19	20		21
			22						
23							24	25	
			26	27	28		29		
30				31					

Clues Across

1. Five thousand and thirty-one
4. One thousand, four hundred and twelve
7. Six thousand, four hundred and eighty-six
9. Twenty-four
10. Two hundred and ten
12. Three thousand, eight hundred and eleven
14. Forty-six
15. Four thousand, three hundred and fifty-two
16. Nineteen
17. One thousand, three hundred and eighty-one
18. Eight hundred and seventy-three
19. Eleven
22. Thirteen
23. Three thousand and seventy-one
24. Three hundred and forty-one
26. Three hundred and fifty-eight
29. Six hundred and fifty-two
30. Nine hundred and twenty-six
31. Seventeen

Clues Down

1. Five hundred and two
2. Three hundred and sixty
3. Fourteen
4. Sixteen
5. One thousand, two hundred and eighty-three
6. Two thousand, four hundred and fifteen
8. Eight thousand and sixty-three
11. One thousand and ninety-seven
12. Three thousand, four hundred and eleven
13. Twelve
14. Forty-one
16. Eighteen
20. One thousand and thirty-six
21. Six thousand and twelve
22. One hundred and thirteen
23. Three hundred and nine
25. Four hundred and fifty-nine
27. Fifty-one
28. Eighty-seven

Activity sheet 2.A2

Cross-number puzzle 2

1		2	3		4		5	6	
		7		8			9		
10	11					12			13
			14			15			
16			17						
18						19	20		21
			22						
23							24	25	
			26	27	28				
29				30			31		

Clues Across

- Four thousand, six hundred and twenty-eight
- Twenty thousand, seven hundred and ninety-one
- Nine thousand and forty-one
- Sixty-seven
- Five hundred and ten
- One thousand and sixty-four
- Fifty-two
- Nine thousand, four hundred and twenty-six
- Ninety-four
- Two thousand, nine hundred and four
- Eighty thousand and forty-seven
- Twenty-nine
- Sixty-eight thousand and seventy-one
- Five thousand and two
- Four hundred and ninety-seven
- Six million, four hundred and twenty-six thousand, two hundred and three
- Four hundred and sixty
- Thirty
- Five hundred and ninety

Clues Down

- Four hundred and five
- Two hundred and ninety
- Eighty
- Twenty-one
- Seven thousand, six hundred and four
- Ninety-seven thousand, six hundred and twenty-five
- Four hundred and two thousand, nine hundred and seventy-eight
- One thousand and forty
- Nineteen thousand, four hundred and twenty-seven
- Forty-six
- Five hundred and twenty-four thousand, six hundred and twenty-six
- Ninety-eight
- Ninety-one thousand, four hundred and twenty-five
- Sixty thousand, seven hundred and thirty
- Five hundred and sixty-four
- Nine hundred and nine
- Forty-three
- Twenty

Activity sheet 2.B

Numbers in words

1	one	11	eleven	30	thirty
2	two	12	twelve	40	forty
3	three	13	thirteen	50	fifty
4	four	14	fourteen	60	sixty
5	five	15	fifteen	70	seventy
6	six	16	sixteen	80	eighty
7	seven	17	seventeen	90	ninety
8	eight	18	eighteen	100	hundred
9	nine	19	nineteen	1 000	thousand
10	ten	20	twenty	1 000 000	million

Activity sheet 2.C

Dominoes Enlarge to A3, copy onto card, laminate and cut into dominoes

730 | 730

$\begin{array}{r} 73 \\ \times 10 \\ \hline \end{array}$ | 42

42 | $\begin{array}{r} 0.96 \\ \times 10 \\ \hline \end{array}$

9.6 | $\begin{array}{r} 0.61 \\ \times 100 \\ \hline \end{array}$

61 | $\begin{array}{r} 1.2 \\ \times 10 \\ \hline \end{array}$

12 | $\begin{array}{r} 1.41 \\ \times 100 \\ \hline \end{array}$

141 | $\begin{array}{r} 96 \\ \times 10 \\ \hline \end{array}$

960 | $\begin{array}{r} 0.73 \\ \times 10 \\ \hline \end{array}$

73 | $\begin{array}{r} 9.6 \\ \times 100 \\ \hline \end{array}$

1400 | $\begin{array}{r} 12 \\ \times 10 \\ \hline \end{array}$

120 | $\begin{array}{r} 1.4 \\ \times 10 \\ \hline \end{array}$

14 | $\begin{array}{r} 7.30 \\ \times 100 \\ \hline \end{array}$

$\begin{array}{r} 14 \\ \times 100 \\ \hline \end{array}$ | 61

$\begin{array}{r} 6.1 \\ \times 10 \\ \hline \end{array}$ | 42

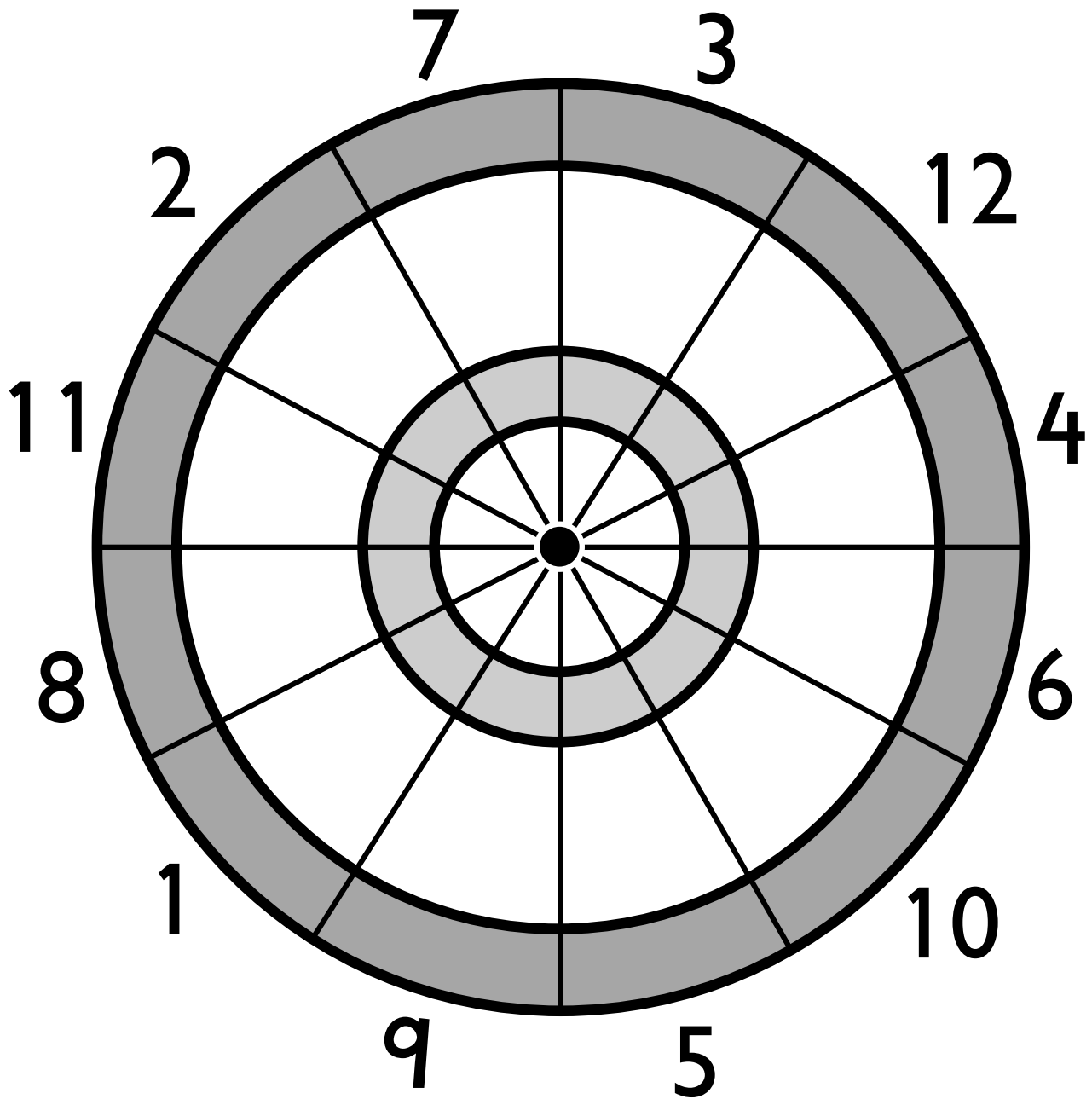
$\begin{array}{r} 0.42 \\ \times 100 \\ \hline \end{array}$ | 9600

9600 | $\begin{array}{r} 0.96 \\ \times 10 \\ \hline \end{array}$

9.6 | 9.6

960 | $\begin{array}{r} 0.96 \\ \times 10 \\ \hline \end{array}$

Darts



Activity sheet 2.E1

Pass it on (addition and subtraction)

First player: put a number in the first box. Pass the paper clockwise to your neighbour.

Second player: fill in the second box, then pass the paper on.

Third player: do the calculation and pass it to the first player.

The first player now has one minute to find the other three number sentences which correspond to the first sentence. At the end of the minute, the other players check the answers, and the first player gets 1 point for each correct answer.

For round 2, player 2 starts.

Round 1		+		=	
		+		=	
		-		=	
		-		=	
Score:					
Round 2		+		=	
		+		=	
		-		=	
		-		=	
Score:					
Round 3		+		=	
		+		=	
		-		=	
		-		=	
Score:					

Activity sheet 2.E2

Round 4

	-		=	
	-		=	
	+		=	
	+		=	

Score:

Round 5

	-		=	
	-		=	
	+		=	
	+		=	

Score:

Round 6

	-		=	
	-		=	
	+		=	
	+		=	

Score:

Pass it on (addition and subtraction)

Activity sheet 2.F

Subtraction snake

25	32	10	45	22
28	40	11	33	16
24	36	20	41	29
30	21	42	26	23
31	15	44	18	34

Throw the dice twice and record the four numbers on a piece of paper.

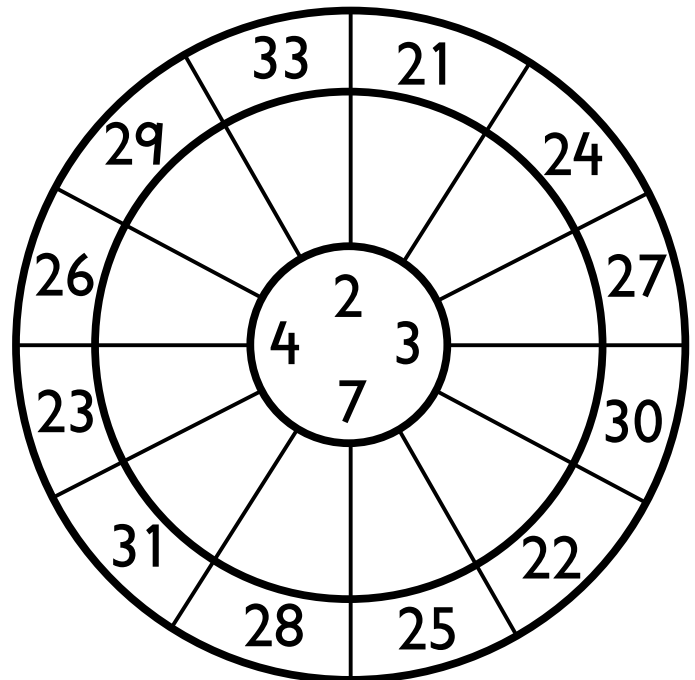
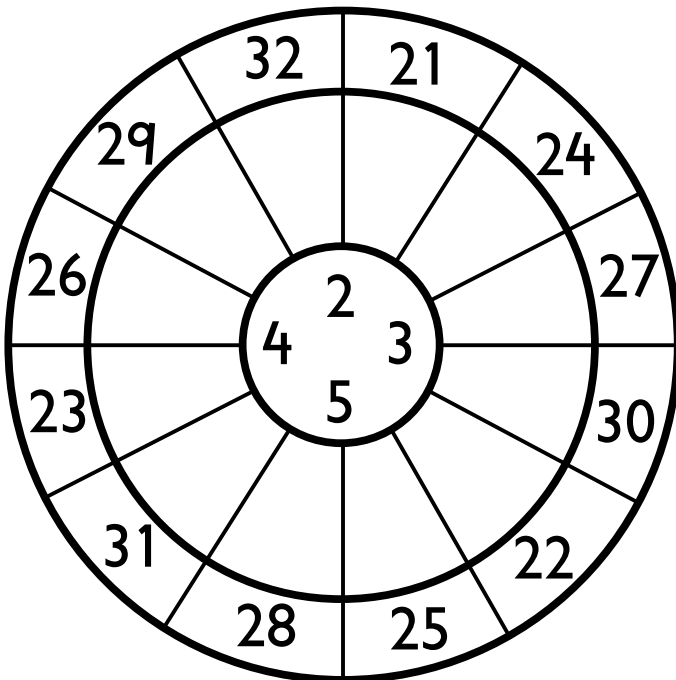
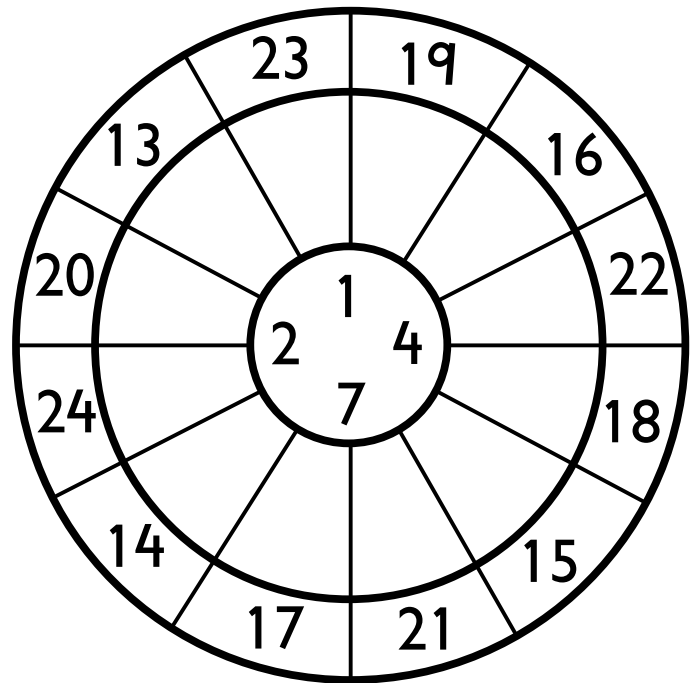
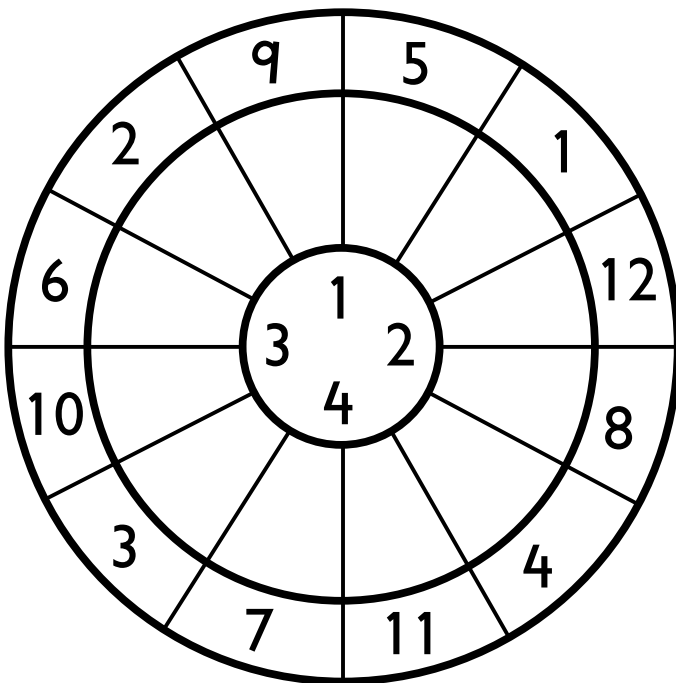
Use the numbers in any order to make a subtraction that will give one of the answers above.

Cover the answer with a counter.

The first person to get four in a line is the winner.

Making target numbers

Use the digits in the middle to make the target numbers around the edge. You can use any operation: $+$, $-$, \times , or \div . Write your expressions in the spaces. You do not have to use every digit each time, but you cannot use a digit more than once in each calculation. You can use digits to make two-digit numbers, eg 12.



Activity sheet 2.H

Four in a line – expressions

7	18	41	52	31	49	12	42
28	13	3	58	33	53	19	30
1	40	29	14	38	26	9	51
50	15	59	2	56	20	43	32
23	10	45	27	16	44	25	5
39	55	4	48	34	60	11	57
17	35	64	21	63	6	54	61
8	46	24	62	37	47	22	36

Activity sheet 2.K1

Pass it on (multiplication and division)

First player: put a number in the first box. Pass the paper clockwise to your neighbour.

Second player: fill in the second box, then pass the paper on.

Third player: do the calculation and pass it to the first player.

The group now has one minute to find the other three number sentences which correspond to the first sentence. At the end of the minute, check the answers by doing each calculation. The group gets a point for each correct answer.

For round 2, player 2 starts.

Round 1		\times		$=$	
		\times		$=$	
		\div		$=$	
		\div		$=$	
Score:					
Round 2		\times		$=$	
		\times		$=$	
		\div		$=$	
		\div		$=$	
Score:					
Round 3		\times		$=$	
		\times		$=$	
		\div		$=$	
		\div		$=$	
Score:					

Activity sheet 2.K2

(In rounds 4 to 6, make sure that the number you write in the second box is a factor of the number in the first box.)

Round 4		÷		=	
		÷		=	
		×		=	
		×		=	
Score:					
Round 5		÷		=	
		÷		=	
		×		=	
		×		=	
Score:					
Round 6		÷		=	
		÷		=	
		×		=	
		×		=	
Score:					

Pass it on (multiplication and division)



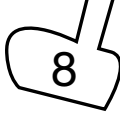



Activity sheet 2.L










Persistence numbers

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Activity sheet 2.M1

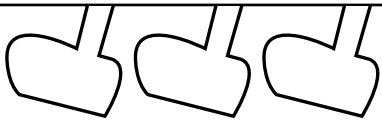
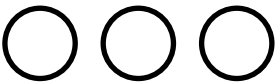
Multiplication golf – score sheet

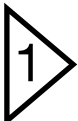








Clubs  2  5  8 Strengths  1  6  7

Hole	Length	Distance travelled at each stroke	Number of strokes
	26		
	44		
	90		
	81		
	73		
	57		
	48		
	98		
	159		
Total			

Activity sheet 2.M2

Multiplication golf – score sheet

Clubs		Strengths	
-------	---	-----------	---

Hole	Length	Distance travelled at each stroke	Number of strokes
			
			
			
			
			
			
			
			
			
Total			

Sevens

Player 2

8	17	12
23	22	16
19	9	26
10	25	18
27	15	24
13	20	11

Player 1

8	17	12
23	22	16
19	9	26
10	25	18
27	15	24
13	20	11

Activity sheet 2.P1

I am
49

You are
double 39

I am
78

You are
double 42

I am
84

You are
double 26

I am
52

You are
double 19

I am
38

You are
double 38

I am
76

You are
double 28

I am
56

You are
half of 94

I am
47

You are
half of 84

I am
42

You are
half of 68

Loop cards – doubles and halves

Activity sheet 2.P2

I am
34

You are
double 29

I am
58

You are
double 48

I am
96

You are
double 36

I am
72

You are
half of 24

I am
12

You are
half of 36

I am
18

You are
half of 72

I am
28

You are
half of 40

I am
20

You are
half of 60

I am
30

You are
half of 72

Loop cards – doubles and halves

Activity sheet 2.P3

I am
36

You are
double 33

I am
66

You are
double 41

I am
82

You are
double 27

I am
54

You are
half of 96

I am
48

You are
half of 90

I am
45

You are
half of 76

I am
38

You are
double 47

I am
94

You are
double 46

I am
92

You are
double 49

Loop cards – doubles and halves

Activity sheet 2.P4

I am
98

You are
half of 86

I am
43

You are
half of 62

I am
31

You are
half of 98

Loop cards – doubles and halves

Activity sheet 2.Q

Four in a line – square numbers

16	64	4	81	25	4
81	36	1	100	9	49
9	25	64	49	1	36
49	16	9	100	64	16
1	81	36	4	25	100
36	64	100	25	49	9

Activity sheet 2.S1

An equivalent to

$$\frac{2}{10}$$

$$\frac{2}{16}$$

An equivalent to

$$1\frac{1}{6}$$

$$1\frac{1}{5}$$

An equivalent to

$$6\frac{6}{8}$$

$$2\frac{2}{12}$$

An equivalent to

$$3\frac{3}{12}$$

$$2\frac{2}{50}$$

An equivalent to

$$1\frac{1}{10}$$

$$1\frac{1}{4}$$

An equivalent to

$$1\frac{1}{8}$$

$$2\frac{2}{20}$$

Dominoes – equivalent fractions

Activity sheet 2.S2

An equivalent to

$$\frac{8}{64}$$

$$\frac{1}{3}$$

An equivalent to

$$\frac{9}{15}$$

$$\frac{1}{8}$$

An equivalent to

$$\frac{2}{3}$$

$$\frac{2}{14}$$

An equivalent to

$$\frac{2}{6}$$

$$\frac{3}{4}$$

An equivalent to

$$\frac{5}{10}$$

$$\frac{3}{5}$$

An equivalent to

$$\frac{1}{7}$$

$$\frac{1}{2}$$

Dominoes – equivalent fractions

Activity sheet 2.S3

An equivalent to

$$4\frac{4}{5}$$

$$4\frac{4}{6}$$

An equivalent to

$$3\frac{3}{7}$$

$$8\frac{8}{10}$$

An equivalent to

$$3\frac{3}{8}$$

$$6\frac{6}{14}$$

An equivalent to

$$5\frac{5}{6}$$

$$6\frac{6}{16}$$

An equivalent to

$$4\frac{4}{7}$$

$$10\frac{10}{12}$$

An equivalent to

$$5\frac{5}{8}$$

$$8\frac{8}{14}$$

Dominoes – equivalent fractions

Activity sheet 2.S4

$$\frac{6}{27}$$

An equivalent to

$$\frac{7}{10}$$

$$\frac{70}{100}$$

An equivalent to

$$\frac{9}{10}$$

$$\frac{30}{100}$$

An equivalent to

$$2\frac{2}{9}$$

$$\frac{10}{16}$$

An equivalent to

$$\frac{7}{8}$$

$$\frac{14}{16}$$

An equivalent to

$$\frac{1}{90}$$

$$\frac{2}{180}$$

An equivalent to

$$\frac{3}{10}$$

Dominoes – equivalent fractions

Activity sheet 2.S5

$$\frac{10}{140}$$

An equivalent to

$$\frac{1}{20}$$

$$\frac{5}{100}$$

An equivalent to

$$\frac{1}{25}$$

$$\frac{10}{24}$$

An equivalent to

$$\frac{1}{14}$$

$$\frac{18}{20}$$

An equivalent to

$$\frac{1}{12}$$

$$\frac{3}{36}$$

An equivalent to

$$\frac{11}{12}$$

$$\frac{110}{120}$$

An equivalent to

$$\frac{5}{12}$$

Dominoes – equivalent fractions

Activity sheet 2.T

Fraction codes 1

$\frac{1}{3}$ a city

L	P	A	U	R	I	D	N	S	B
$\frac{3}{9}$	$\frac{2}{8}$	$\frac{5}{7}$	$\frac{4}{12}$	$\frac{7}{20}$	$\frac{6}{18}$	$\frac{8}{24}$	$\frac{10}{30}$	$\frac{3}{5}$	$\frac{5}{15}$

$\frac{1}{4}$ a fruit

B	O	P	A	E	I	H	C	R	T
$\frac{2}{7}$	$\frac{4}{16}$	$\frac{11}{44}$	$\frac{2}{8}$	$\frac{3}{9}$	$\frac{10}{40}$	$\frac{6}{25}$	$\frac{5}{20}$	$\frac{12}{48}$	$\frac{3}{12}$

$\frac{3}{4}$ a sport

R	O	F	G	A	U	B	D	Y	J
$\frac{8}{10}$	$\frac{6}{8}$	$\frac{15}{25}$	$\frac{5}{7}$	$\frac{21}{32}$	$\frac{9}{12}$	$\frac{30}{45}$	$\frac{15}{20}$	$\frac{66}{99}$	$\frac{24}{32}$

Activity sheet 2.U

Fraction codes 2

$\frac{1}{10}$ a drink

R	E	F	E	F	T	O	W	C	A
$\frac{2}{20}$	$\frac{5}{60}$	$\frac{9}{99}$	$\frac{5}{50}$	$\frac{12}{96}$	$\frac{3}{30}$	$\frac{4}{20}$	$\frac{9}{90}$	$\frac{6}{50}$	$\frac{7}{70}$

$\frac{2}{3}$ a country

A	N	E	R	S	B	I	Z	Q	L
$\frac{4}{6}$	$\frac{9}{12}$	$\frac{14}{22}$	$\frac{60}{90}$	$\frac{16}{25}$	$\frac{8}{12}$	$\frac{22}{33}$	$\frac{20}{30}$	$\frac{32}{49}$	$\frac{12}{18}$

$\frac{1}{2}$ an animal

N	C	U	E	A	N	T	Y	R	B
$\frac{5}{10}$	$\frac{3}{18}$	$\frac{7}{14}$	$\frac{6}{9}$	$\frac{1}{3}$	$\frac{17}{34}$	$\frac{5}{12}$	$\frac{25}{50}$	$\frac{5}{15}$	$\frac{9}{18}$

Activity sheet 2.V1

I am
one whole

You are
50%

I am
one half

You are
0.4

I am
40%

You are
three quarters

I am
0.75

You are
80%

I am
eight tenths

You are
20%

I am
0.2

You are
0.1

I am
one tenth

You are
1% more than
60%

I am
0.61

You are
one quarter

I am
25%

You are
nine tenths

Loop cards – fractions, decimals and percentages

Activity sheet 2.V2

I am
90%

You are
0.3

I am
three tenths

You are
60%

I am
0.6

You are
1%

I am
0.01

You are
0.7

I am
seven tenths

You are
125%

I am
1.25

You are
1% less than
50%

I am
0.49

You are
100%

Loop cards – fractions, decimals and percentages

Activity sheet 2.W1

Cut these into cards

50% of 40	10% of 20	25% of 12	20% of 30
50% of 24	10% of 90	25% of 16	20% of 40
50% of 34	10% of 110	25% of 40	20% of 80
50% of 30	10% of 130	25% of 56	20% of 90

Percentage bingo 1 and 2

Activity sheet 2.W2

Cut these into cards

50% of 38	10% of 70	50% of 2	20% of 120
50% of 46	10% of 210	25% of 20	20% of 150
50% of 54	10% of 290	25% of 112	20% of 110
50% of 62	10% of 260	25% of 100	20% of 160

Percentage bingo 1 and 2

Activity sheet 2.X1

Percentage bingo 1

	6	14	22	31
Card 2	11	15	1	26

	21	24	27	5
Card 1	17	4	7	8

Activity sheet 2.X2

Percentage bingo 1

	2	18	30	29
Card 4	12	25	3	23

	9	28	19	16
Card 3	20	32	13	10

Activity sheet 2.Y1

Percentage bingo 2

Card 1

50% of 28	25% of 16	10% of 90	50% of 50
10% of 60	50% of 26	20% of 120	10% of 120
25% of 68	20% of 140	25% of 44	20% of 90

Card 2

50% of 34	25% of 60	10% of 70	50% of 38
10% of 130	50% of 58	20% of 10	10% of 80
25% of 36	20% of 50	25% of 84	20% of 80

Percentage bingo 2

Card 3

50% of 46	25% of 108	10% of 150	50% of 24
10% of 40	50% of 16	20% of 80	10% of 100
25% of 72	20% of 100	25% of 12	20% of 60

Card 4

50% of 14	25% of 104	10% of 50	50% of 22
10% of 10	50% of 6	20% of 150	10% of 140
25% of 64	20% of 100	25% of 24	20% of 110