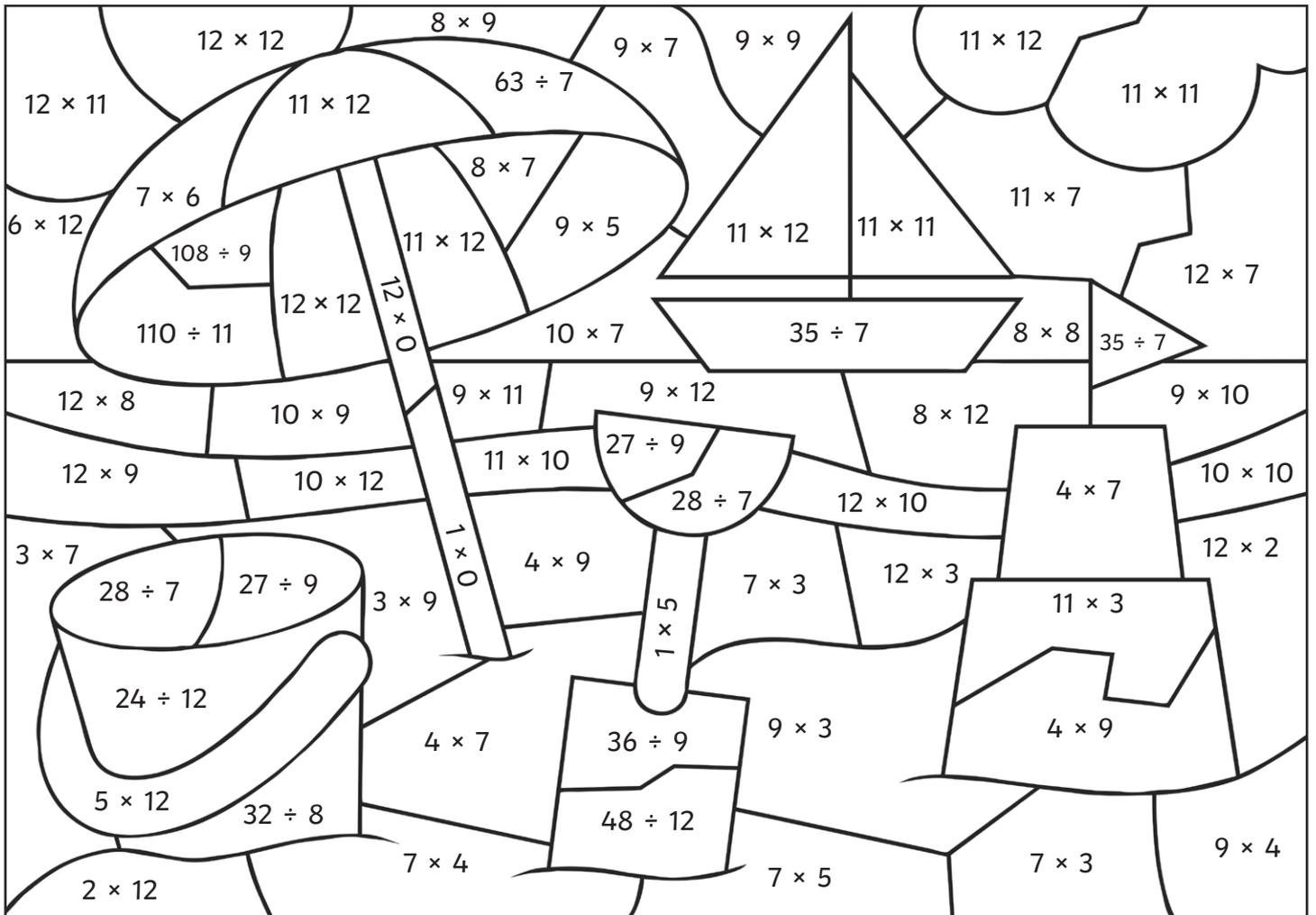# Year 4 Summer-Themed
Maths Activity Booklet

Name: _____

Summertime Colour by Calculations

Use the key to colour the summer-themed picture.

12 × 12		8 × 9		9 × 7	9 × 9		11 × 12	

(colour-by-calculation grid with the following values)

12 × 12   8 × 9   9 × 7   9 × 9   11 × 12

12 × 11   11 × 12   63 ÷ 7   11 × 11

7 × 6   8 × 7   11 × 7

6 × 12   108 ÷ 9   11 × 12   9 × 5   11 × 12   11 × 11   12 × 7

110 ÷ 11   12 × 12   12 × 0   10 × 7   35 ÷ 7   8 × 8   35 ÷ 7

12 × 8   10 × 9   9 × 11   9 × 12   8 × 12   9 × 10

12 × 9   10 × 12   11 × 10   27 ÷ 9   12 × 10   4 × 7   10 × 10

3 × 7   28 ÷ 7   1 × 0   28 ÷ 7   12 × 3   12 × 2

28 ÷ 7   27 ÷ 9   3 × 9   4 × 9   1 × 5   7 × 3   11 × 3

24 ÷ 12   4 × 7   9 × 3   4 × 9

5 × 12   32 ÷ 8   36 ÷ 9   7 × 3

48 ÷ 12   7 × 5   9 × 4

2 × 12   7 × 4   7 × 3

Grey:	Red:	Orange:	Yellow:	Green:	Light Blue:	Dark Blue:	White:
0	1 – 5	6 – 18	19 – 36	37 – 60	61 – 85	86 – 120	121 – 144

At the Beach Café

Use the Beach Café menu to work out how much each customer has spent.

Menu

Cola £2.49	Small chips £2.60
Lemonade £2.35	Large chips £3.60
Tea £3.10	Ice cream...............£2.39
Coffee....................£3.29	Pizza.......................£8.99
Ham sandwich.......£6.99	

Table 1

Cola..........................

Ice cream................

Total ....

Table 2

Tea...........................

Coffee ....

Pizza.........................

Ham sandwich.......

Total ....

Table 3

2 × Tea ....

Large chips ....

Total ....

Table 4

2 × Lemonade.........

Coffee ....

2 × Ice cream ....

Small chips............

Total ....

Counting in 7s Summer Maze

Help the frog find the path through the lily pad maze by counting on in sevens from zero.

0	7	14	28	35	42	49
14		21		14		42
21	28	28	14	21	28	35
49		35		35		42
6	49	56	49	42	35	42	84	91
63		63		35		56		98
70	63	70	84	91	98	105	112	105
77		77		98		171
98	91	84	77	154	161	168
105		89		147		175
112	119	126	133	140	133	147

Multiplication and Division Facts Summer Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

yellow = **1 – 6** | blue = **7 – 30** | red = **31 – 60** | green = **61 – 90** | black = **91 – 144**

21 ÷ 3	35 ÷ 5	5 × 5	81 ÷ 9	4 × 7	110 ÷ 11	99 ÷ 9	63 ÷ 9	5 × 4	3 × 10	108 ÷ 9
3 × 9	32 ÷ 4	8 × 12	11 × 10	36 ÷ 3	8 × 3	12 × 7	8 × 8	6 × 12	10 × 7	7 × 9
3 × 7	9 × 11	56 ÷ 7	2 × 8	12 × 12	36 ÷ 3	8 × 11	96 ÷ 8	84 ÷ 7	56 ÷ 8	8 × 9
10 × 10	6 × 5	72 ÷ 9	96 ÷ 8	8 × 2	12 × 10	12 × 6	9 × 9	9 × 7	7 × 11	9 × 8
9 × 12	49 ÷ 7	8 × 2	4 × 5	4 × 4	11 × 11	5 × 4	36 ÷ 3	6 × 11	72 ÷ 9	96 ÷ 8
4 × 9	8 × 7	4 × 9	7 × 8	6 × 7	7 × 7	2 × 8	96 ÷ 8	7 × 12	8 × 3	4 × 5
3 × 3	7 × 7	9 × 4	5 × 9	11 × 5	4 × 7	110 ÷ 11	99 ÷ 9	7 × 9	49 ÷ 7	8 × 3
15 ÷ 3	7 × 7	12 × 4	12 × 5	12 × 3	15 ÷ 3	12 × 6	9 × 9	9 × 7	7 × 11	9 × 8
32 ÷ 8	11 × 5	4 × 9	7 × 8	7 × 6	32 ÷ 8	12 × 7	8 × 8	6 × 12	10 × 7	7 × 9
55 ÷ 11	7 × 7	12 × 4	7 × 6	4 × 9	16 ÷ 8	12 ÷ 3	12 × 6	9 × 9	9 × 7	16 ÷ 8
8 ÷ 4	28 ÷ 7	36 ÷ 6	35 ÷ 7	11 ÷ 11	32 ÷ 8	16 ÷ 8	16 ÷ 4	32 ÷ 8	1 × 4	24 ÷ 8

Summertime I Spy and Calculations

Count the summer-themed objects and then solve the calculations.
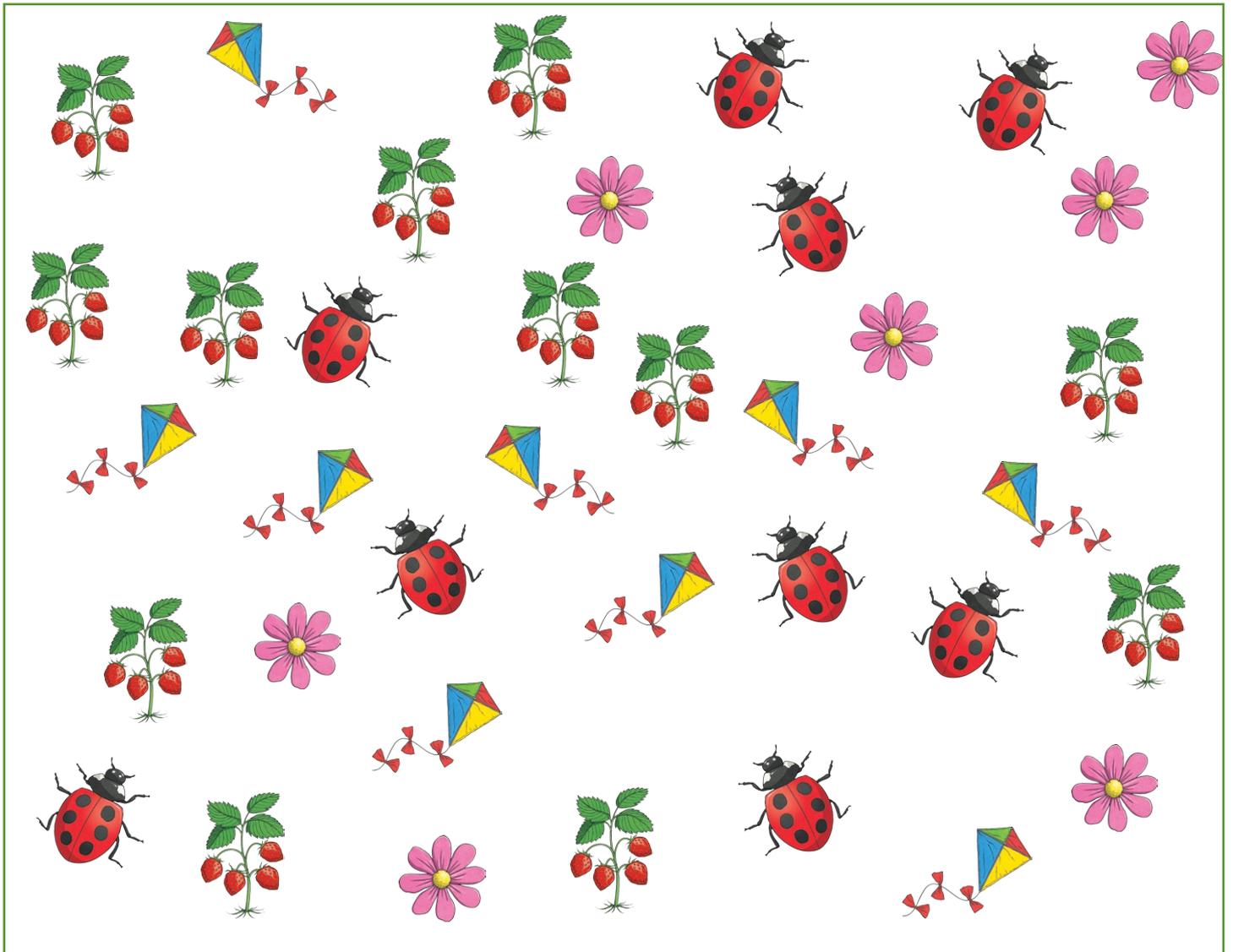
|			
	Number of ladybirds:	Number of spots on each:	Number of spots in total:
	Number of flowers:	Number of petals on each:	Number of petals in total:
	Number of strawberry plants:	Number of strawberries on each:	Number of strawberries in total:
	Number of kites:	Number of bows on each:	Number of bows in total:

Holiday Time!

AM 6:05

What time did the children get up?

_____

What time did the children set off for the beach?

_____
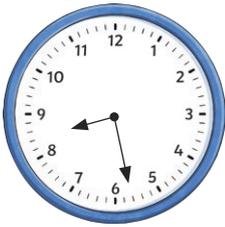
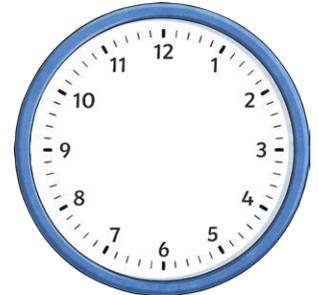What time did the children stop at the service station for breakfast?

_____

AM 9:54

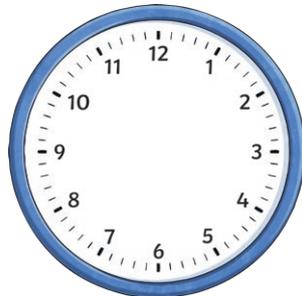What time did the children arrive at the seaside?
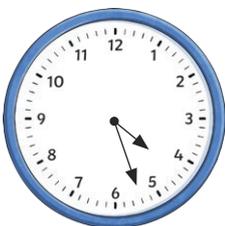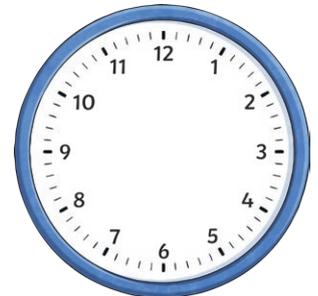
_____

PM 12:43
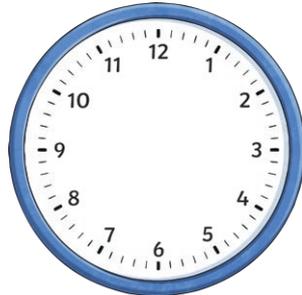
Draw the hands on the clock to show when the children had fish and chips.

PM 3:08

Draw the hands on the clock to show when the children built a sandcastle.

The clock shows when the children went paddling in the sea. They came out of the sea after 45 minutes. Draw the hands on the clock to show when they finished paddling.

PM 5:46

The clock shows when the children began their journey home. It took 2 hours and 25 minutes to get home. Draw the hands on the clock to show when they got home.

Counting in Multiples Dot to Dots

Count on in multiples of seven and join the dots to complete the picture. A star ★ dot shows the end of a line. When you reach a star dot, start a new line from the next multiple.

Counting in Multiples Dot to Dots

Count on in multiples of nine and join the dots to complete the picture. A star ★ dot shows the end of a line. When you reach a star dot, start a new line from the next multiple.

90
81
99
108
117
126
135
★
144
153
162
171
180
9 ★
18
72
27
63
36
54
45

Summer Holiday Code Breaker

Solve the calculations and use the code breaker to spell out the summer-themed words.

A	B	C	D	E	F	G	H	I	J	K	L	M
26	25	24	23	22	21	20	19	18	17	16	15	14

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	12	11	10	9	8	7	6	5	4	3	2	1

	Answer	Letter
72 ÷ 9		
Half of 12		
27 - 14		
100 - 81		
Double 13		
700 ÷ 100		

	Answer	Letter
50 - 32		
Half of 48		
66 ÷ 3		

	Answer	Letter
99 - 91		
171 - 158		
60 ÷ 5		
108 ÷ 12		
$\frac{4}{5}$ of 20		
7 + 8 + 7		
45 ÷ 3		

	Answer	Letter
55 ÷ 5		
3 × 6		
235 - 211		
130 ÷ 10		
36 ÷ 2		
4 × 6		
75 ÷ 3		
3 × 5		
60 - 34		
78 - 65		
5 + 7 + 4		
$\frac{2}{3}$ of 33		
49 ÷ 7		

	Answer	Letter
3 × 7		
2 × 9		
48 ÷ 6		
$\frac{1}{2}$ of 38		
3 × 6		
39 ÷ 3		
100 ÷ 5		
63 ÷ 7		
84 ÷ 7		
92 ÷ 4		

Summer Fractions

Write a fraction sentence for each picture. The first one has been done for you.

$\frac{2}{3}$ of 6 = 4		
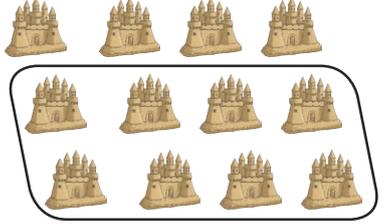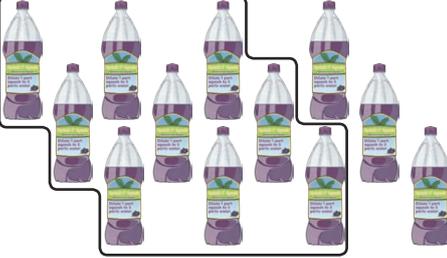
Can you draw some summer-themed pictures to go with each fraction sentence?

$\frac{1}{2}$ of 10 = 5	$\frac{3}{4}$ of 8 = 6
$\frac{2}{3}$ of 9 = 6	$\frac{3}{4}$ of 20 = 15

Coordinates Mystery Picture

Plot these coordinates on to the grid and join them together to draw a place to relax while on the beach.
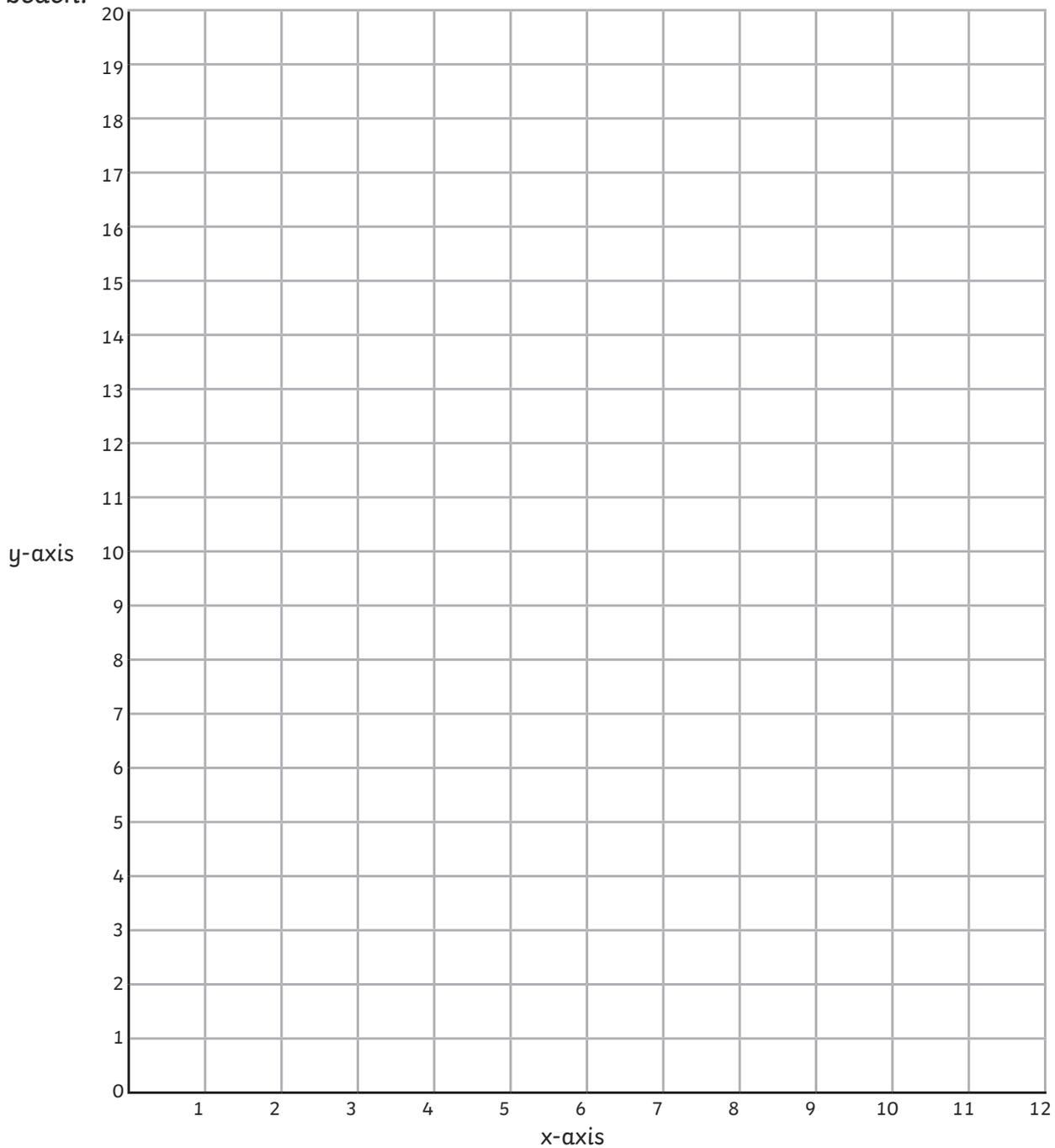
Line 1:	(1, 15)	(6, 19)	(11, 15)	(1, 15)					
Line 2:	(1, 15)	(1, 4)	(11, 4)	(11, 15)					
Line 3:	(4, 4)	(4, 12)	(8, 12)	(8, 4)					
Line 4:	(2, 15)	(2, 4)	(3, 4)	(3,15)					
Line 5:	(9, 15)	(9, 4)	(10, 4)	(10, 15)					
Line 6:	(4, 15)	(4, 12)	(5, 12)	(5, 15)	(6, 15)	(6, 12)	(7, 12)	(7, 15)	(8, 15)	(8, 12)
Line 7:	(6, 18)	(5, 17)	(6, 16)	(7, 17)	(6, 18)					

Time Zone Text Messages

Read the holiday text messages and calculate what time is it in the United Kingdom. Write the time using the 12-hour clock.

Hello from Greece. It is 15:17. The time is 2 hours ahead of the UK.

_____

Greetings from Austin, Texas, USA. It is 17:48. The time is 6 hours behind the UK.

_____

Happy holidays from Moscow, Russia. It is 02:21. The time is 2 hours ahead of the UK.

_____

Good afternoon from Canada. It is 16:18. The time is 5 hours behind the UK.

_____

G'day from Sydney, Australia. It is 08:36. The time is 10 hours ahead of the UK.

_____

Summer Holiday Activities Board Game

You will need:

• counters

• a dice

• a pencil

Instructions

Each player starts the game with 200 points.

The first player will throw the dice. The number rolled shows how many squares that player can move their counter around the board.

When the player lands on a square, they must add or subtract the points on that square to or from their score.

The next player will then take their turn to roll.

When a player reaches the finish, the player with the most points is the winner.

Keep track of your score here:

Name:	Name:	Name:	Name:
200	200	200	200

Summer Holiday Activities Board Game

START	+ 72	+ 39			
		- 28	+ 66	+ 48	+ 15
					- 47
FINISH					
+ 50	- 19	+ 46	- 32		+ 12
			+ 34		+ 26
-32	+ 29	- 23	+ 92		+ 33
+ 58					+ 82
- 30	+ 46	- 29	- 55	- 86	+ 18