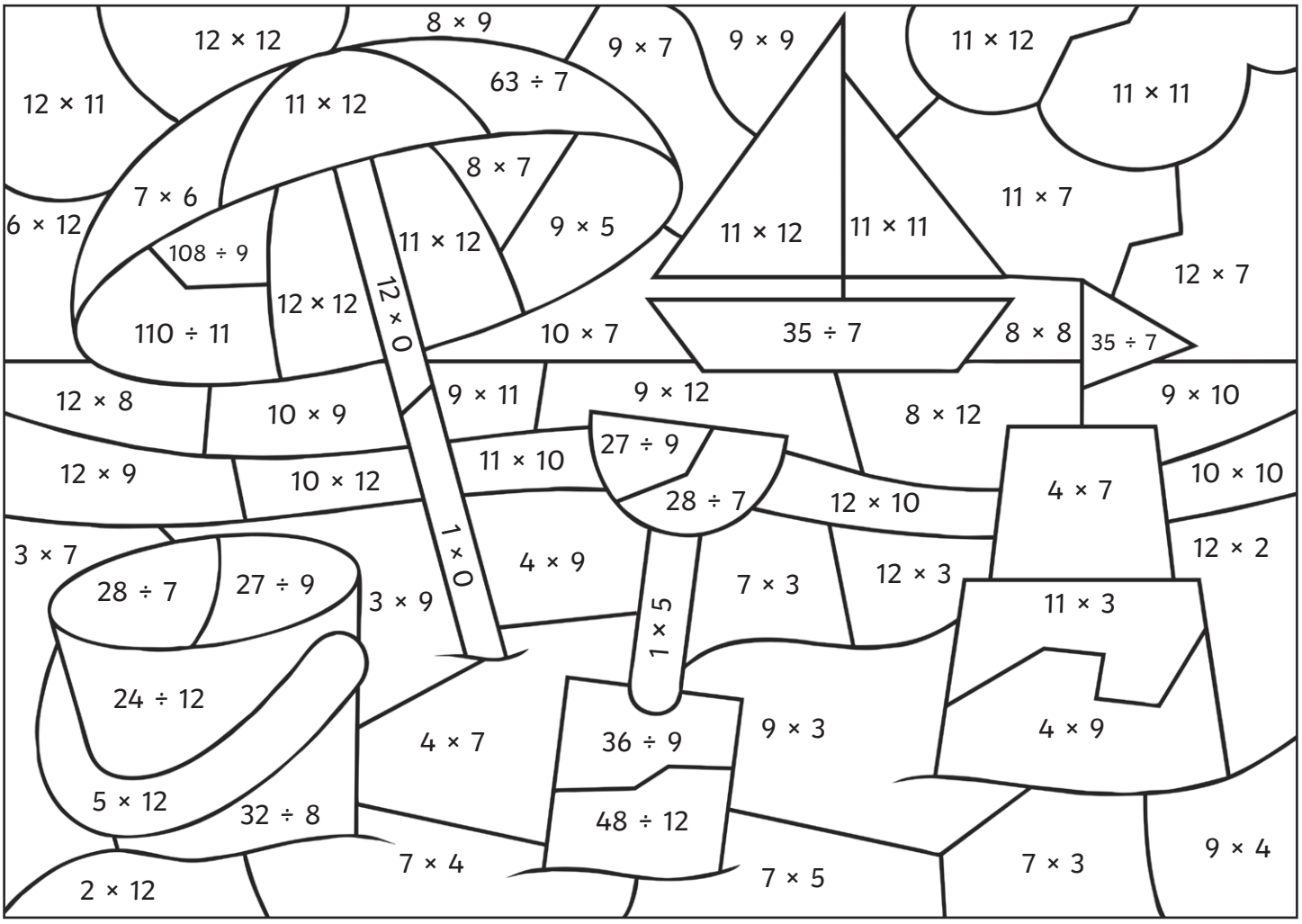
Year 4 Summer-Themed

Maths Activity Booklet

Name: _____

Summertime Colour by Calculations

Use the key to colour the summer-themed picture.



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

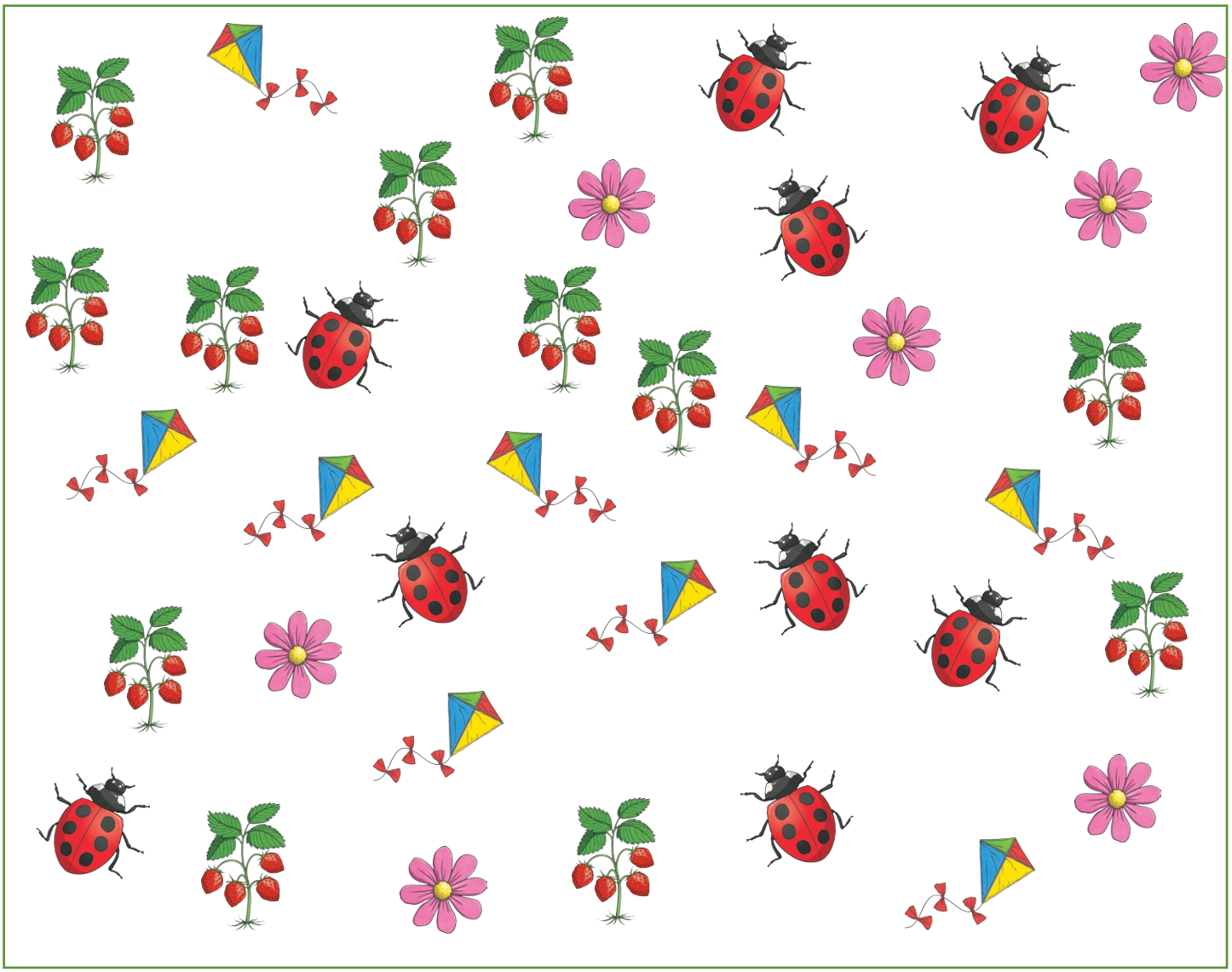
Solve the calculations to reveal the hidden picture. Each answer has a special colour.

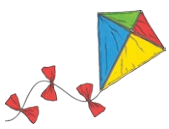
yellow = **1 – 6** | blue = **7 – 30** | red = **31 – 60** | green = **61 – 90** | black = **91 – 144**

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

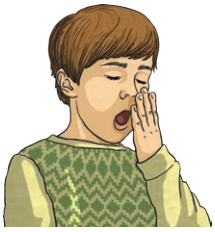
Summertime I Spy and Calculations

Count the summer-themed objects and then solve the calculations.

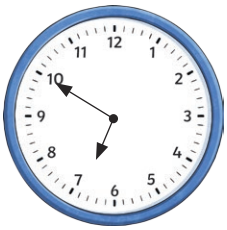


	Number of ladybirds:	Number of spots on each:	Number of spots in total:
	Number of flowers:	Number of petals on each:	Number of petals in total:
	Number of strawberry plants:	Number of strawberries on each:	Number of strawberries in total:
	Number of kites:	Number of bows on each:	Number of bows in total:

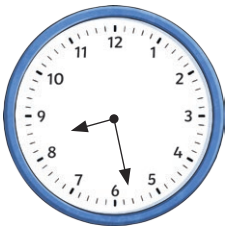
Holiday Time!



What time did the children get up?

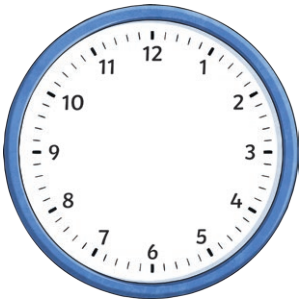


What time did the children set off for the beach?

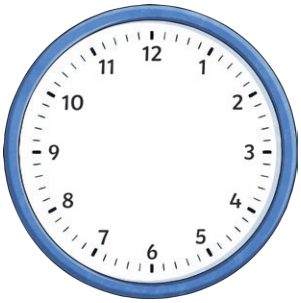


What time did the children stop at the service station for breakfast?

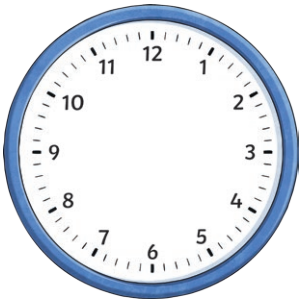
What time did the children arrive at the seaside?



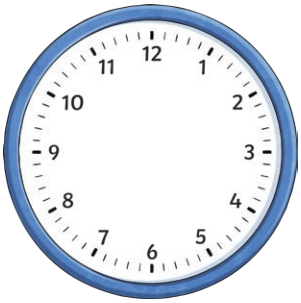
Draw the hands on the clock to show when the children had fish and chips.



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



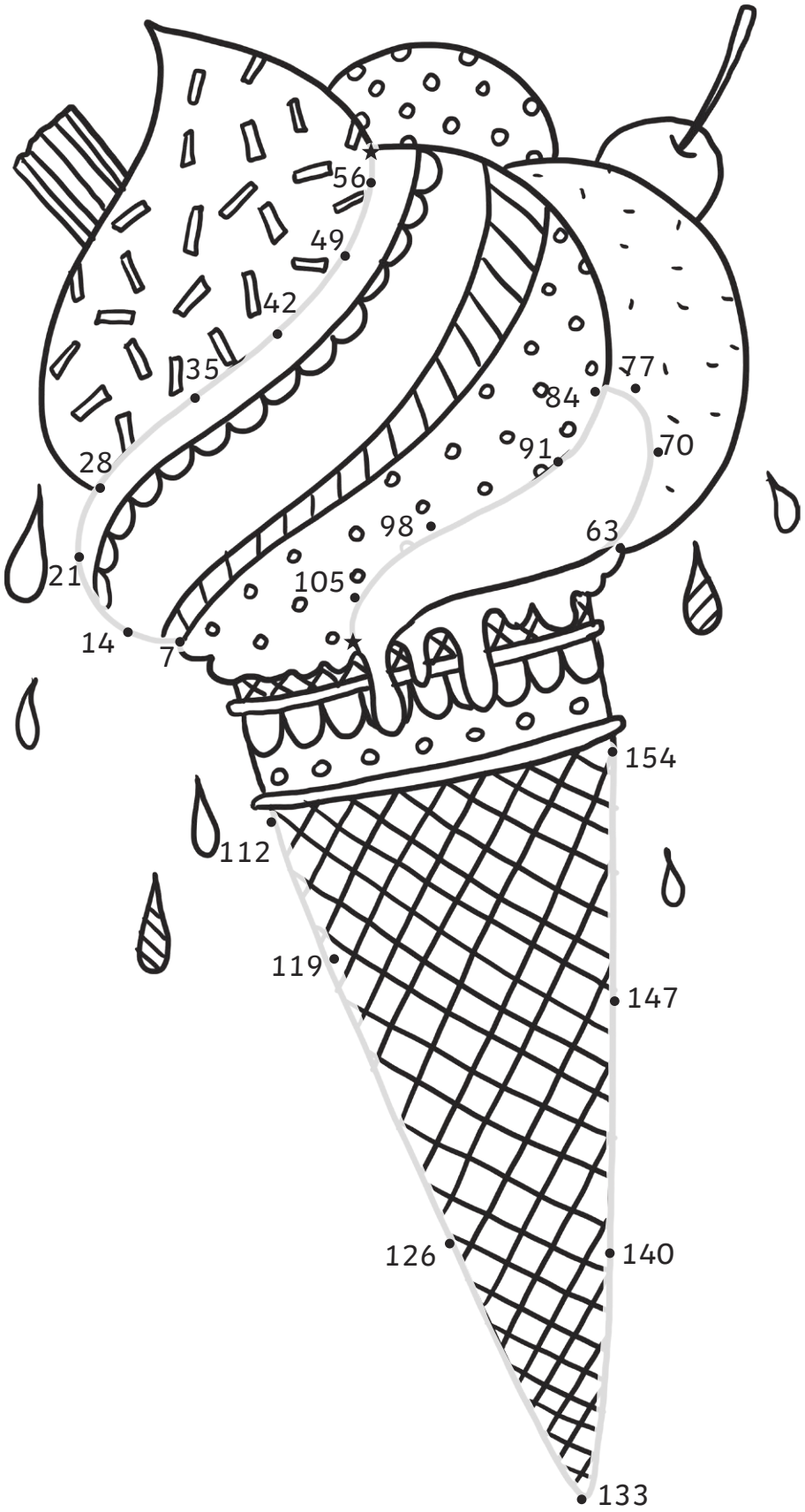
The clock shows when the children went paddling in the sea. They came out of the sea after 45 minutes. Draw the hands on the clock to show when they finished paddling.



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.

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
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
50 - 32		
Half of 48		
66 ÷ 3		

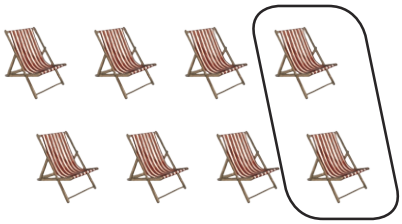
	Answer	Letter
99 - 91		
171 - 158		
60 ÷ 5		
108 ÷ 12		
$\frac{4}{5}$ of 20		
7 + 8 + 7		
45 ÷ 3		

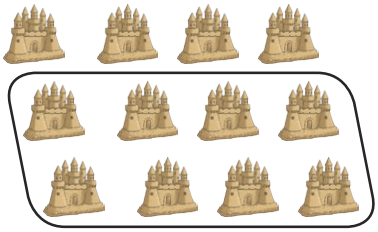
	Answer	Letter
3 × 7		
2 × 9		
48 ÷ 6		
$\frac{1}{2}$ of 38		
3 × 6		
39 ÷ 3		
100 ÷ 5		
63 ÷ 7		
84 ÷ 7		
92 ÷ 4		

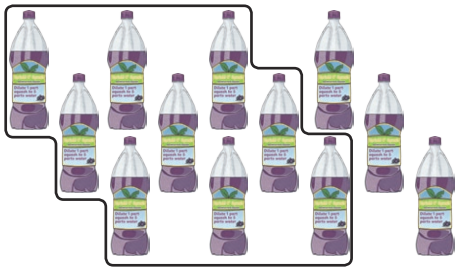
Summer Fractions

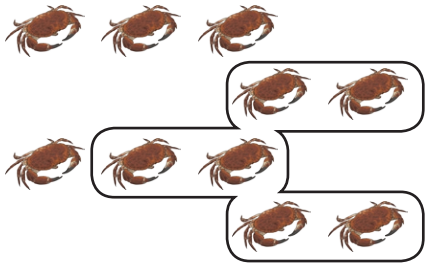
Write a fraction sentence for each picture. The first one has been done for you.

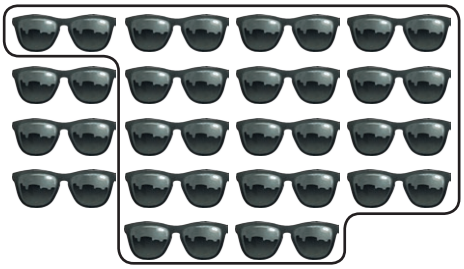
$\frac{2}{3}$ of 6 = 4









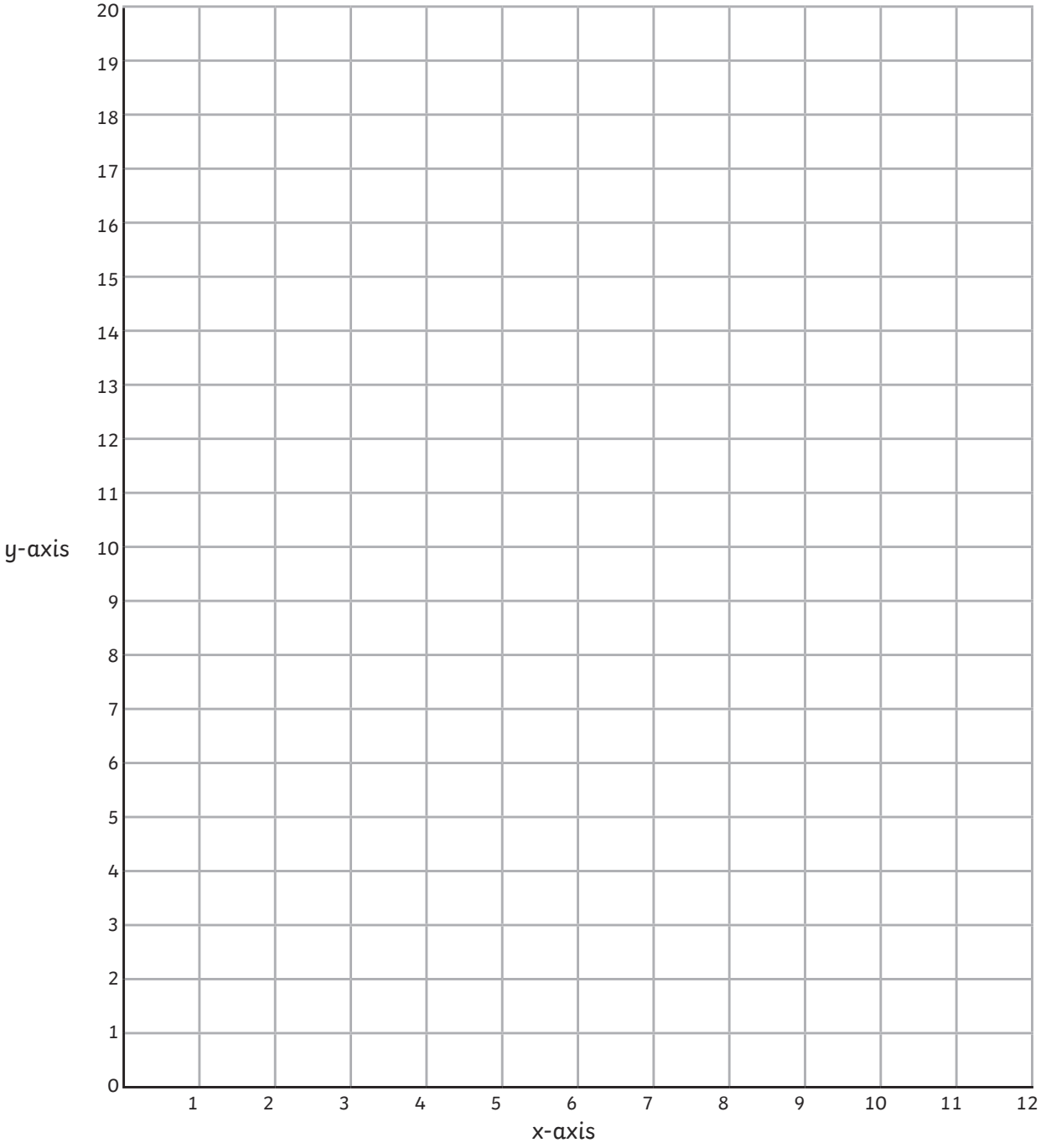


Can you draw some summer-themed pictures to go with each fraction sentence?

$\frac{1}{2}$ 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.

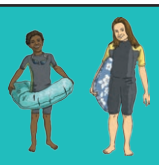
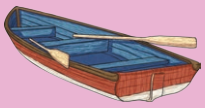
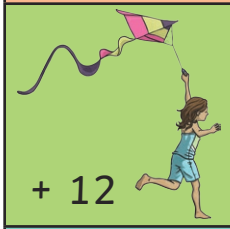
The next player will then take their turn to roll.

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

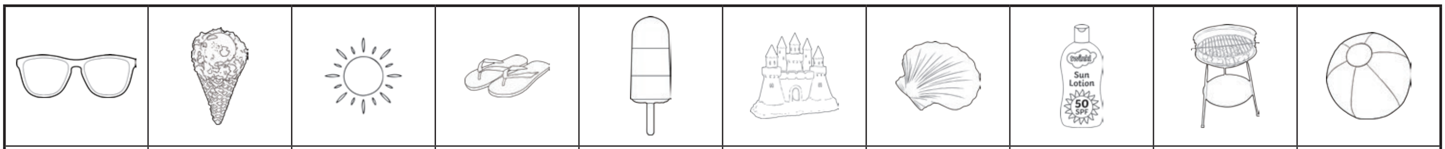
START	 + 72	 + 39				
		 - 28	 + 66	 + 48	 + 15	
FINISH					 - 47	
 + 50	 - 19	 + 46	 - 32		 + 12	
			 + 34		 + 26	
 - 32	 + 29	 - 23	 + 92		 + 33	
 + 58					 + 82	
 - 30	 + 46	 - 29	 - 55	 - 86	 + 18	

Year 5 Summer-Themed

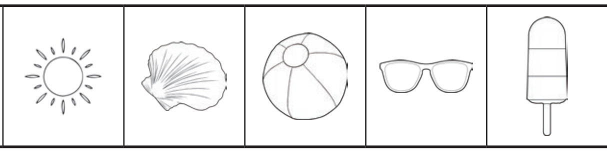
Maths Activity Booklet

Name: _____

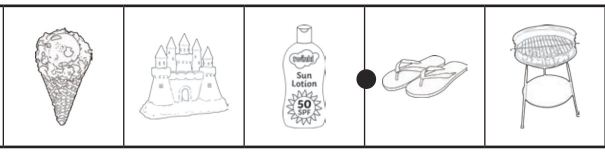
Place Value Code Breaker



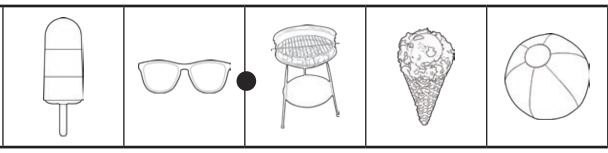
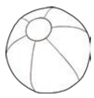
2	4	8	6	1	0	5	9	3	7

In the number  what is the value of the  ?

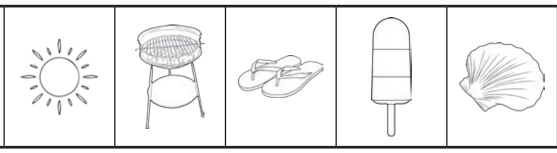
Answer:________________________

In the number  what is the value of the  ?

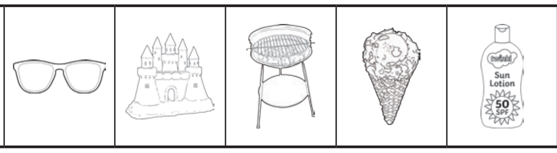
Answer:________________________

In the number  what is the value of the  ?

Answer:________________________

What is the number  rounded to the nearest 10?

Answer:________________________

What is the number  rounded to the nearest 100?

Answer:________________________

What is the number  written in Roman numerals?

Answer:________________________

Calculations Code Breaker

Solve the calculations and use the code breaker to spell out a summer-themed joke. The joke will read down the tables.

A	B	C	D	E	F	G	H	I	J	K	L	M
6	15	21	5	13	24	18	7	12	1	25	19	9

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
22	16	11	26	2	17	20	3	10	8	14	23	4

	Answer	Letter
64 ÷ 8		
63 ÷ 9		
1300 ÷ 100		
0.02 × 100		
1.3 × 10		

	Answer	Letter
55 ÷ 11		
160 ÷ 10		

	Answer	Letter
0.24 × 100		
144 ÷ 12		
1700 ÷ 100		
56 ÷ 8		

	Answer	Letter
1.8 × 10		
1600 ÷ 100		

	Answer	Letter
4 × 4		
2.2 × 10		

	Answer	Letter
42 ÷ 6		
8 × 2		
190 ÷ 10		
96 ÷ 8		
0.5 × 10		
48 ÷ 8		
0.23 × 100		?

	Answer	Letter
3 × 8		
60 ÷ 5		
0.22 × 100		
1900 ÷ 100		
54 ÷ 9		
11 × 2		
0.05 × 100		

Question: _____

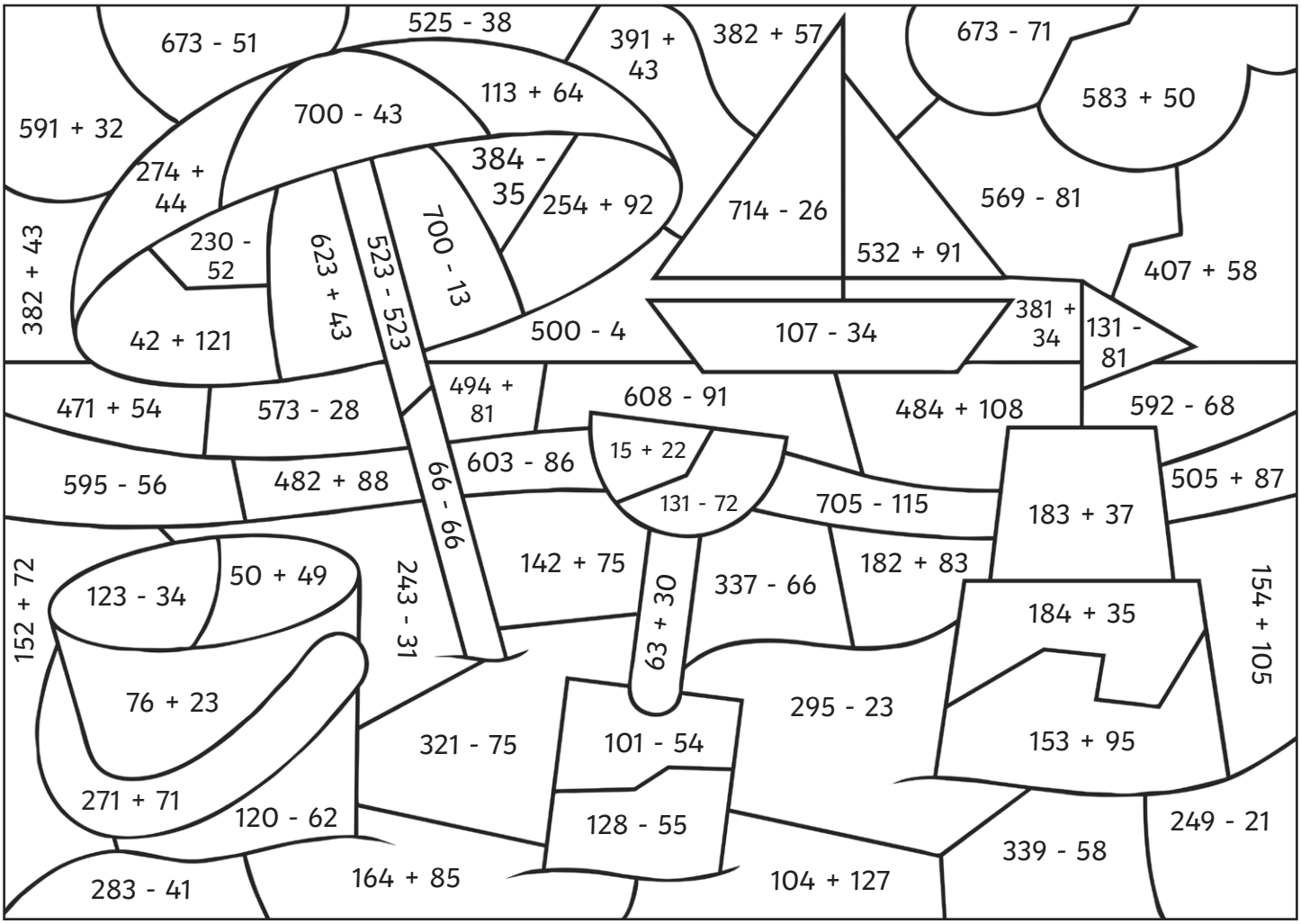
_____

_____

Punchline: _____

Colour by Calculation

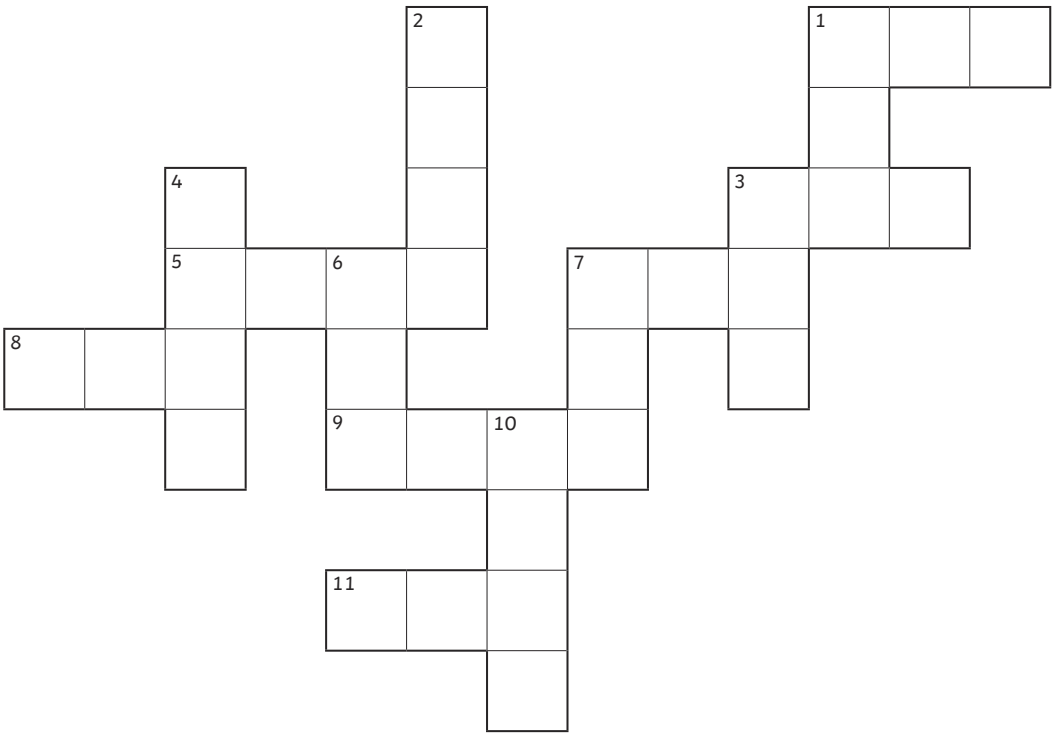
Use the key to colour the summer-themed picture.



Grey:	Red:	Orange:	Yellow:	Green:	Light Blue:	Dark Blue:	White:
0	1 – 100	101 – 200	201 – 300	301 – 400	401 – 500	501 – 600	601 – 700

Number Cross

Use the summer-themed code to complete the number cross. Use written methods of multiplication to solve the number cross.



Across:

1. 
3. 
5. 
7. 
8. 
9. 
11. 

Down:

1. 
2. 
3. 
4. 
6. 
7. 
10. 

									
2	4	8	6	1	0	5	9	3	7

Summertime Equivalent Fractions Maths Mosaic

Simplify each fraction to its lowest term to reveal the hidden picture. Each answer has a special colour.

yellow = $\frac{2}{3}$ | **black** = $\frac{3}{4}$ | **pink** = $\frac{2}{5}$ | **green** = $\frac{5}{6}$ | **blue** = $\frac{1}{3}$

$\frac{2}{6}$	$\frac{3}{9}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$	$\frac{6}{9}$	$\frac{5}{15}$	$\frac{6}{18}$
$\frac{4}{12}$	$\frac{14}{21}$	$\frac{18}{27}$	$\frac{22}{33}$	$\frac{20}{30}$	$\frac{16}{24}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{7}{21}$
$\frac{6}{8}$	$\frac{30}{40}$	$\frac{9}{12}$	$\frac{27}{36}$	$\frac{12}{16}$	$\frac{24}{32}$	$\frac{15}{20}$	$\frac{21}{28}$	$\frac{18}{24}$
$\frac{6}{9}$	$\frac{33}{44}$	$\frac{36}{48}$	$\frac{39}{52}$	$\frac{14}{21}$	$\frac{42}{56}$	$\frac{45}{60}$	$\frac{48}{64}$	$\frac{18}{27}$
$\frac{12}{18}$	$\frac{10}{15}$	$\frac{51}{68}$	$\frac{22}{33}$	$\frac{20}{30}$	$\frac{16}{24}$	$\frac{54}{72}$	$\frac{4}{6}$	$\frac{8}{12}$
$\frac{14}{21}$	$\frac{18}{27}$	$\frac{22}{33}$	$\frac{20}{30}$	$\frac{16}{24}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$
$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$	$\frac{6}{9}$	$\frac{14}{21}$	$\frac{18}{27}$	$\frac{22}{33}$	$\frac{20}{30}$
$\frac{22}{33}$	$\frac{20}{30}$	$\frac{4}{10}$	$\frac{6}{15}$	$\frac{8}{20}$	$\frac{10}{25}$	$\frac{12}{30}$	$\frac{4}{6}$	$\frac{8}{12}$
$\frac{10}{12}$	$\frac{14}{21}$	$\frac{18}{27}$	$\frac{14}{35}$	$\frac{16}{40}$	$\frac{18}{45}$	$\frac{6}{9}$	$\frac{14}{21}$	$\frac{35}{42}$
$\frac{15}{18}$	$\frac{20}{24}$	$\frac{4}{6}$	$\frac{8}{12}$	$\frac{12}{18}$	$\frac{10}{15}$	$\frac{6}{9}$	$\frac{25}{30}$	$\frac{30}{36}$

Summer Number Puzzles

I collect some shells on the beach.

I multiply the number of shells by 5.

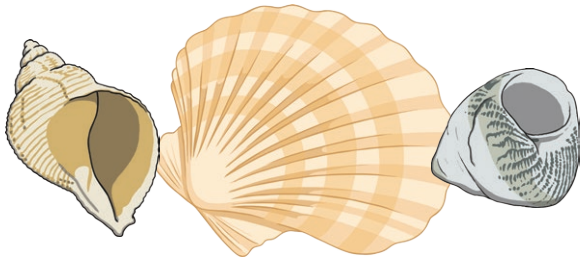
I then subtract 15,

multiply by 7,

and divide by 2.

I end with the number 735.

How many shells did I collect?



I decorate my sandcastle with flags.

I multiply the number of flags by 7.

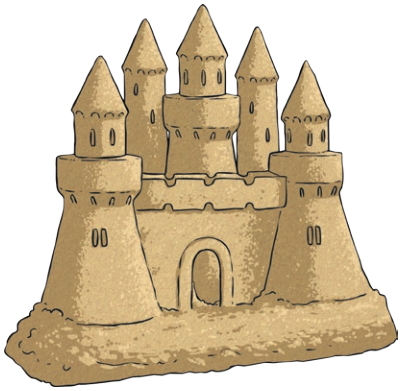
I then add 78,

multiply by 4,

and divide by 3.

I end with the number 300.

How many flags did I use to decorate my sandcastle?



I practise cartwheels on the sand.

I multiply the number of cartwheels by 8.

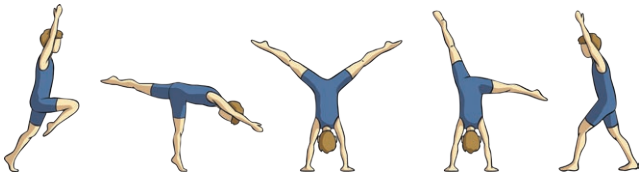
I then subtract 132,

multiply by 10,

and divide by 4.

I end with the number 30.

How many cartwheels did I do?

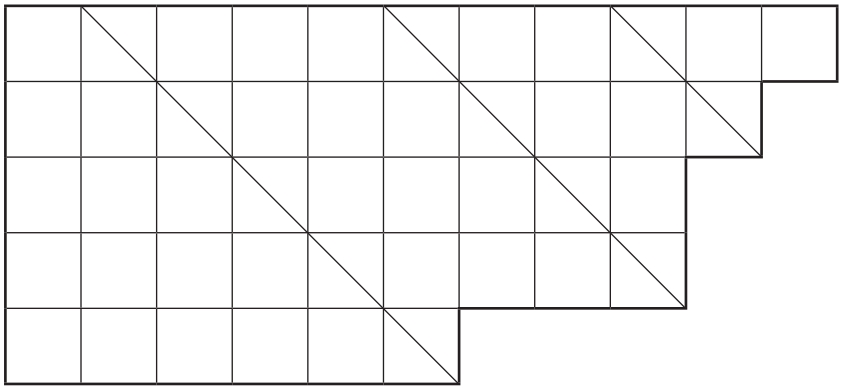


Pirate Flags

These flags have been designed on cm square grids.

- What is the area of each flag?
- What is the perimeter of each flag?

Colour in the flags according to the fractions.



Red = $\frac{1}{3}$

Green = $\frac{1}{6}$

Blue = $\frac{1}{2}$

Area = _____

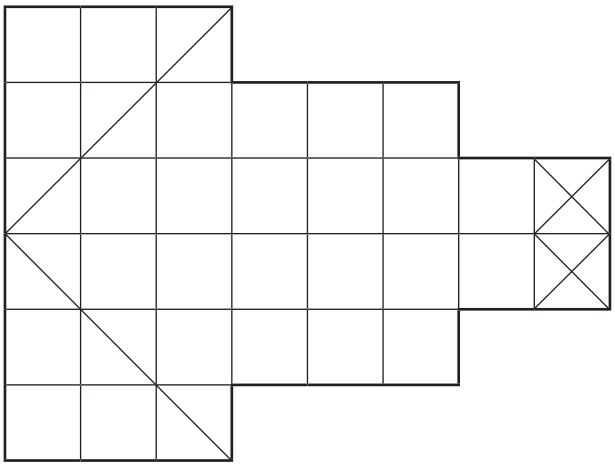
Perimeter = _____

Red = $\frac{1}{4}$

Green = $\frac{1}{8}$

Blue = $\frac{1}{2}$

White = $\frac{1}{8}$



Area = _____

Perimeter = _____

Converting Units of Time Board Game

Instructions

Each player must choose a space to start from and place their counter on it.

The first player rolls the dice and moves their counter clockwise.

They must answer the question in that square, find the answer on the correct shell and cover it over.

The next player will take their turn.

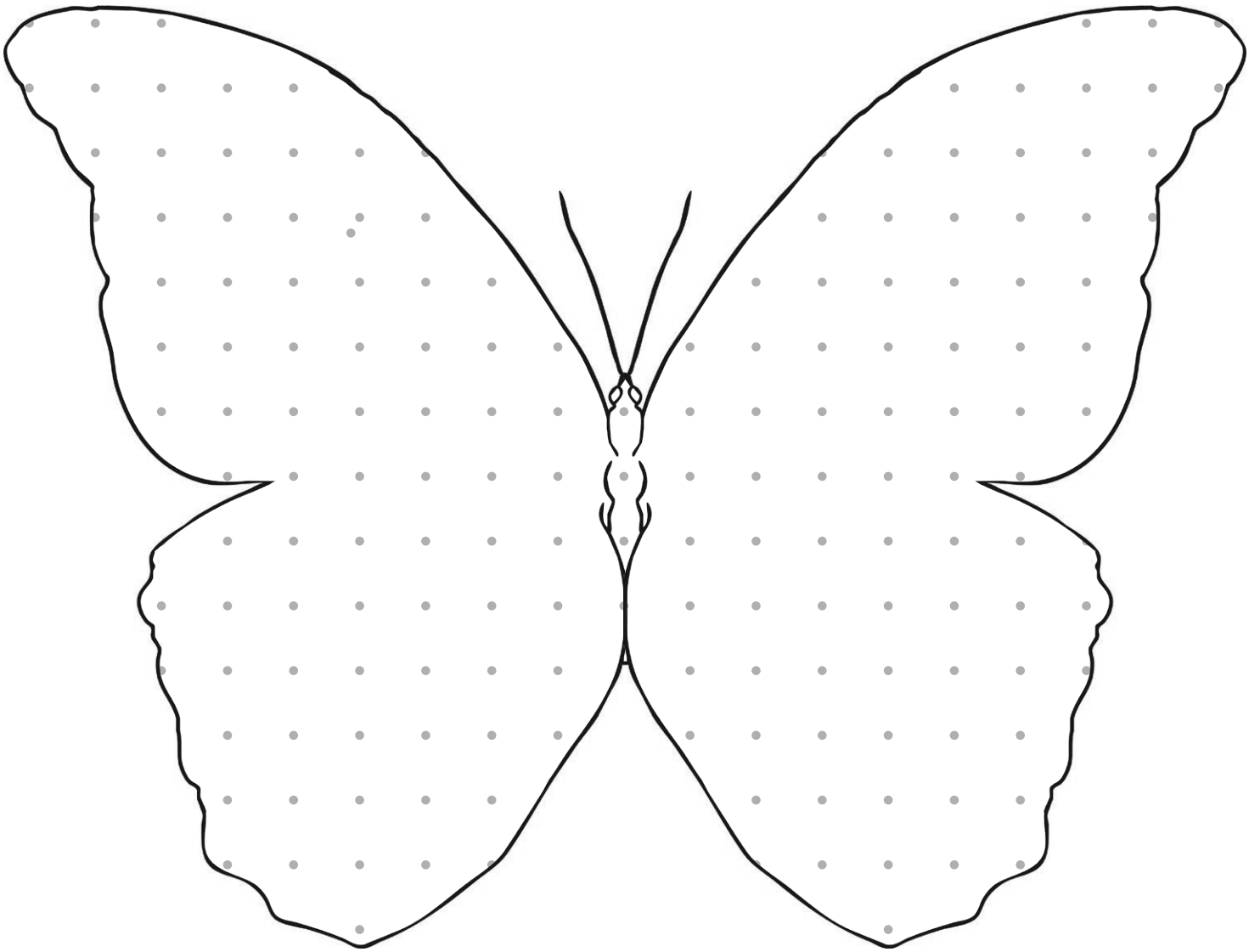
If a player lands on a square where the answer has already been covered, they must miss a go.

The winner is the player who has covered the most shells.

How many minutes are in 3 hours?	How many days are in 2 weeks?	How many years are in a decade?	How many seconds are in 6 minutes	How many hours are in a day?
How many hours are in 3 days?				How many minutes are in 4 hours?
How many seconds are in 8 minutes?				How many days are in 5 weeks?
How many years are in a millennium?				How many years are in a century?
How many days are in 8 weeks?	How many minutes are in 5 hours?	How many seconds are in 10 minutes?	How many hours are in 2 days?	How many seconds are in 7 minutes?

Butterfly Pattern Symmetry

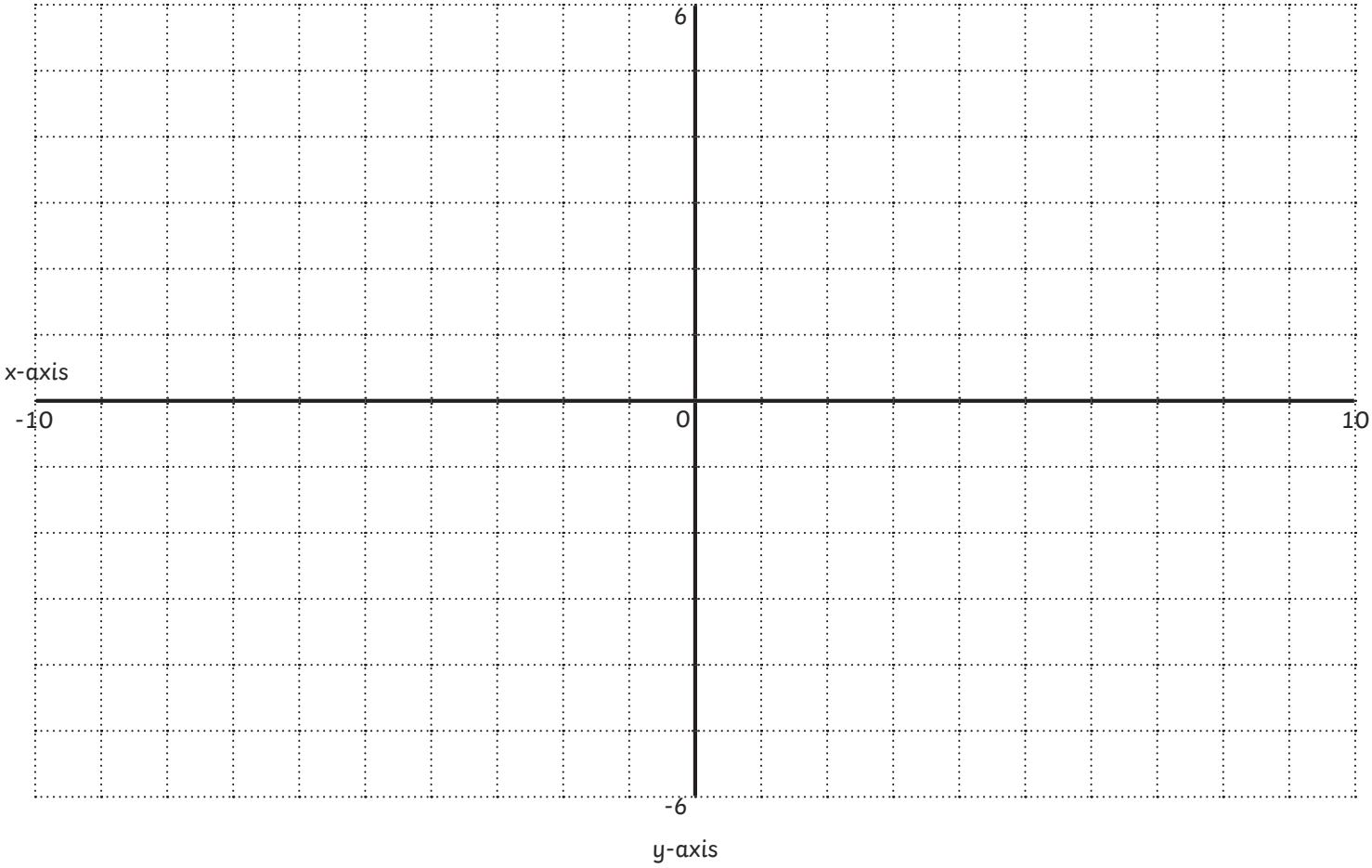
Draw a symmetrical pattern on this butterfly using different quadrilaterals.



Which quadrilaterals did you use in your symmetrical design?

Coordinate and Reflection Mystery Picture

Plot these shapes onto the coordinate grid and join them together with straight lines. Next, reflect the shapes over the y-axis to reveal a mystery picture.



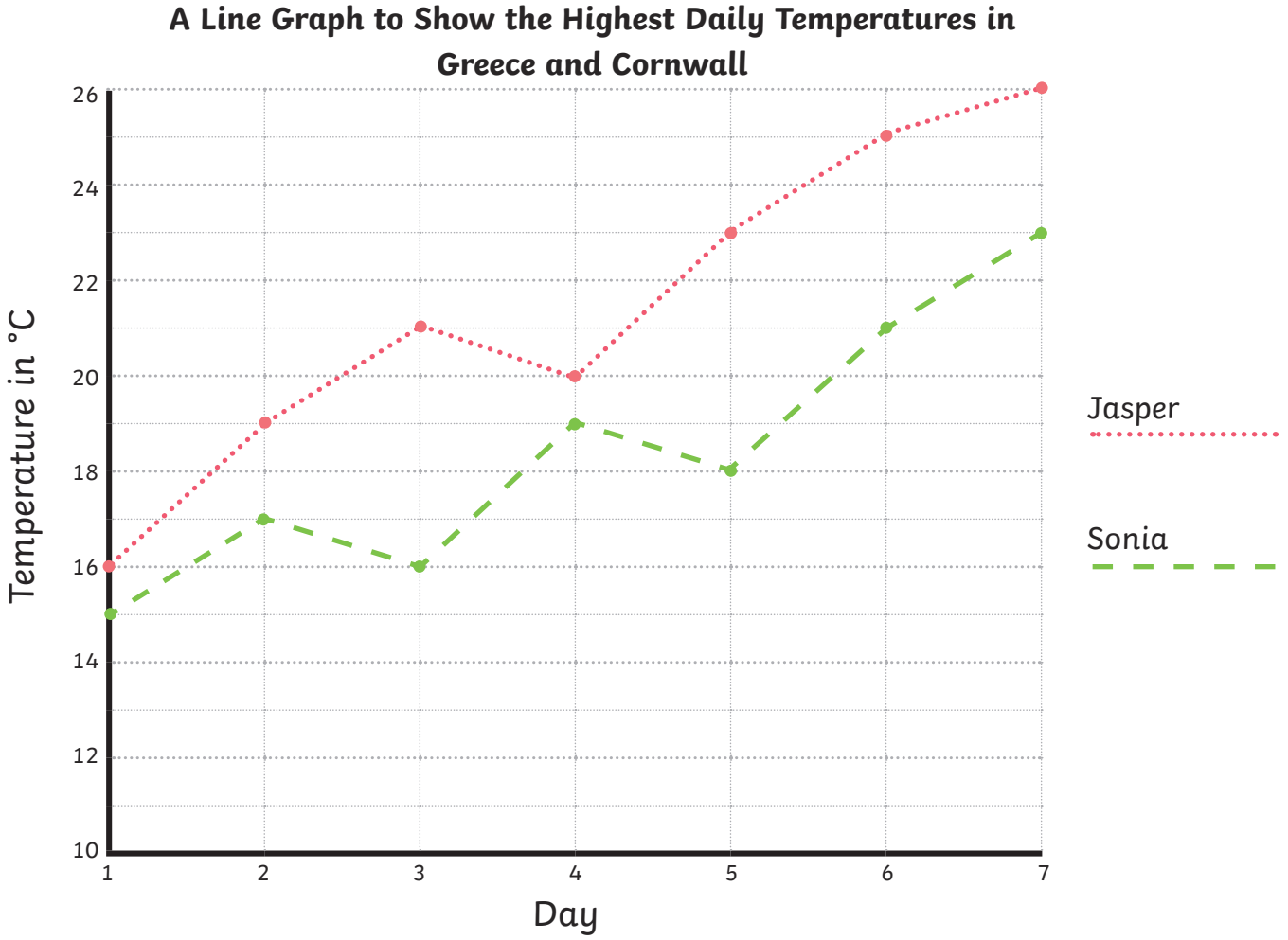
1. (-7, 3), (-5, 3), (-5, 5), (-4, 4), (-4, 2), (-3, 1), (-2, 1), (-2, 2), (-1, 2), (-1, 1), (0,1), (0,-4), (-1,-4), (-3,-3), (-4,-2), (-4,-1), (-3, 0), (-5, 2), (-6, 2), (-7, 3)
2. (-4, -1), (-6, -1), (-6, -2), (-4, -1)
3. (-4, -2), (-6, -3), (-5, -4), (-4, -2)
4. (-3, -3), (-3, -5), (-2, -5), (-3, -3)

The mystery picture is _____

Summer Holiday Temperatures Line Graph

Jasper went on his summer holiday to Greece. Sonia went on her summer holiday to Cornwall. Here is a line graph showing the highest daily temperature on each day of their summer holidays.

Use the graph to answer the questions.



1. What was the temperature on day 4 of Jasper's holiday?	2. What was the temperature on day 1 on Sonia's holiday?
3. What was the difference in temperature between Greece and Cornwall on day 3?	4. How much warmer was it in Greece than Cornwall on day 7?
5. On which day was the temperature of Sonia's holiday 21°C?	6. On which day did the temperature in Greece decrease?

Summer Holiday Activities Board Game

You will need:

- counters
- a dice
- a pencil

Instructions

Each player starts the game with 1000 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.

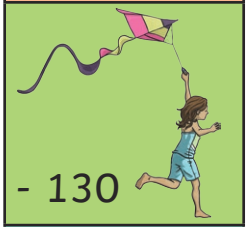
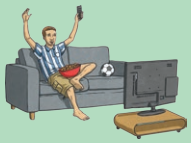
The next player will then take their turn to roll.

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:**
1000	1000	1000	1000

Summer Holiday Activities Board Game

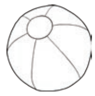
START	 + 120	 - 150			
		 + 90	 - 110	 + 150	 - 70
FINISH					 + 200
 + 100	 - 40	 + 120	 - 150		 - 130
			 + 100		 + 140
 - 130	 + 140	 - 110	 + 160		 - 100
 + 170					 + 160
 -40	 + 160	 - 90	 + 120	 - 120	 + 180

Year 6 Summer-Themed

Maths Activity Booklet

Name: _____

Place Value Code Breaker

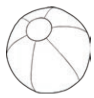
									
3	**1**	**6**	**5**	**4**	**0**	**8**	**7**	**2**	**9**

What is the number						rounded to the nearest 10?

Answer:____________________________

What is the number						rounded to the nearest 100?

Answer:____________________________

What is the number						rounded to the nearest 1000?

Answer:____________________________

What is the number					written in Roman numerals?

Answer:____________________________

What is the number					written in Roman numerals?

Answer:____________________________

What is the number					written in Roman numerals?

Answer:____________________________

Calculations Code Breaker

Solve the calculations and use the code breaker to spell out a summer-themed joke. The joke will read down the tables.

A	B	C	D	E	F	G	H	I	J	K	L	M
6	15	21	5	13	24	18	7	12	1	25	19	9

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
22	16	11	26	2	17	20	3	10	8	14	23	4

	Answer	Letter
$\frac{2}{5}$ of 20		
$\frac{1}{7}$ of 49		
$\frac{1}{2}$ of 46		

	Answer	Letter
$\frac{1}{6}$ of 30		
$\frac{4}{5}$ of 20		

	Answer	Letter
$\frac{5}{6}$ of 18		
$\frac{2}{6}$ of 18		
$\frac{2}{3}$ of 33		
$\frac{1}{4}$ of 24		
$\frac{1}{2}$ of 44		
$\frac{1}{5}$ of 30		
$\frac{1}{2}$ of 34		

	Answer	Letter
$\frac{1}{8}$ of 24		
$\frac{1}{3}$ of 51		
$\frac{1}{3}$ of 39		

	Answer	Letter
$\frac{1}{4}$ of 68		
$\frac{1}{5}$ of 15		
$\frac{2}{5}$ of 55		

	Answer	Letter
$\frac{1}{2}$ of 42		
$\frac{1}{10}$ of 20		
$\frac{1}{4}$ of 52		
$\frac{1}{9}$ of 54		
$\frac{3}{5}$ of 15		?

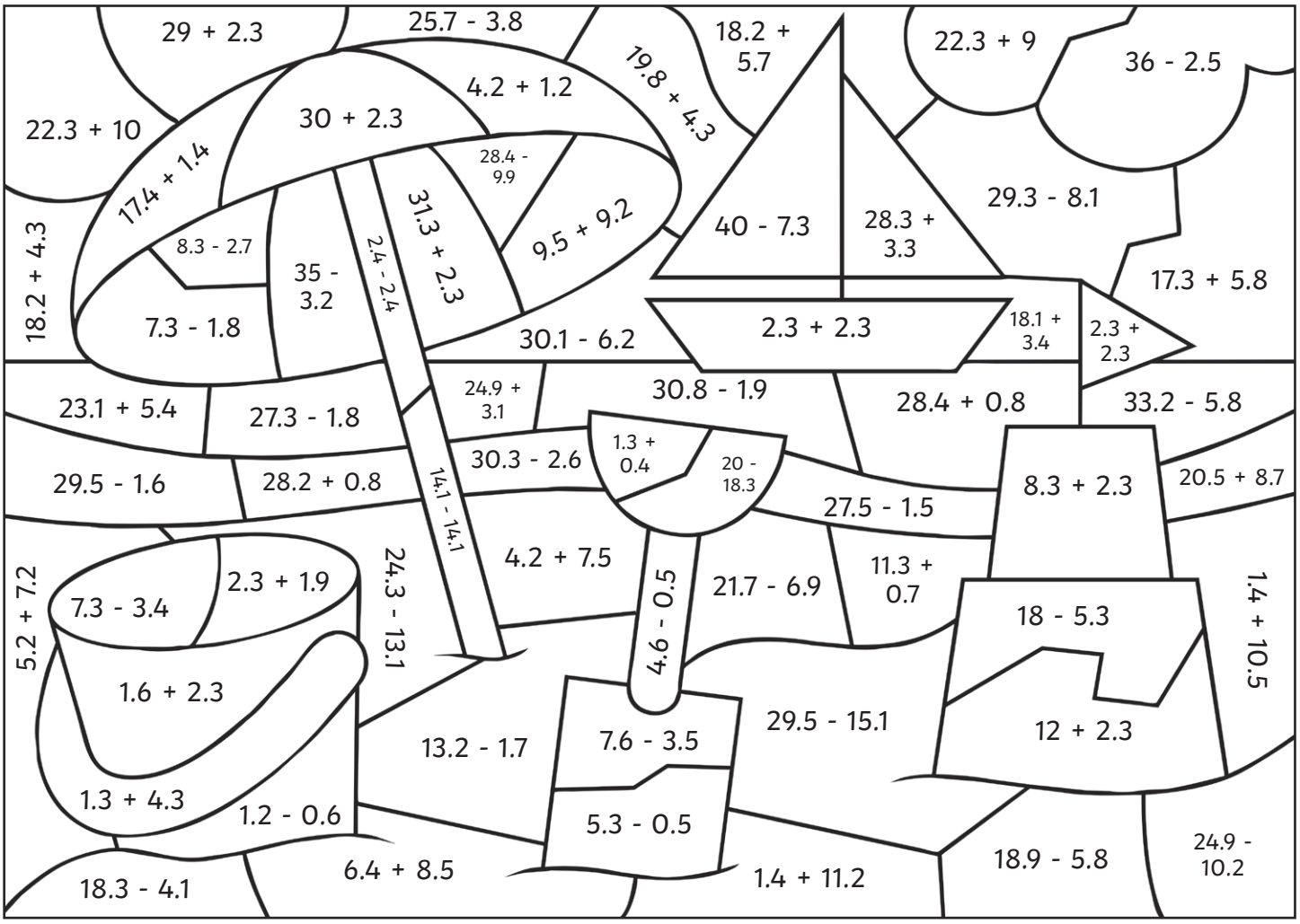
	Answer	Letter
$\frac{1}{2}$ of 30		
$\frac{1}{8}$ of 104		
$\frac{1}{3}$ of 63		
$\frac{1}{2}$ of 12		
$\frac{1}{3}$ of 9		
$\frac{1}{5}$ of 85		
$\frac{1}{5}$ of 65		

	Answer	Letter
$\frac{2}{3}$ of 30		
$\frac{1}{3}$ of 21		
$\frac{1}{3}$ of 39		
$\frac{1}{2}$ of 46		

	Answer	Letter
$\frac{1}{3}$ of 33		
$\frac{1}{4}$ of 52		
$\frac{1}{8}$ of 104		
$\frac{1}{2}$ of 38		

Colour by Calculation

Use the key to colour the summer-themed picture.



Grey:	Red:	Orange:	Yellow:	Green:	Light Blue:	Dark Blue:	White:
0	1 – 5	5.1 – 10	10.1 – 15	15.1 – 20	20.1 – 25	25.1 – 30	30.1 – 35

Written Methods of Multiplication and Division Code Breaker

									
2	4	8	6	1	0	5	9	3	7

1.				×		

Answer: _____

2.				×		

Answer: _____

3.					÷	

Answer: _____

4.					÷	

Answer: _____

5.					÷	

Answer: _____

Summertime Addition and Subtraction Maths Mosaic

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

green = 7200 | **pink** = 7500 | **black** = 7800 | **blue** = 8100 | **yellow** = 8400

2650 + 5450	9972 - 1872	1788 + 6612	5589 + 2811	8369 + 31	9959 - 1559	1528 + 6872	757 + 7343	7619 + 481
2107 + 5993	6475 + 1925	4660 + 3740	2461 + 5939	8417 - 17	958 + 7442	6194 + 2206	9859 - 1459	9526 - 1426
5959 + 1841	8263 - 463	1171 + 6629	715 + 7085	4865 + 2935	3101 + 4699	5518 + 2282	1036 + 6764	4399 + 3401
9584 - 1184	7554 + 246	6999 + 801	677 + 7123	5590 + 2810	8688 - 888	9892 - 2092	333 + 7467	9860 - 1460
4334 + 4066	1577 + 6823	1920 + 5880	1787 + 6613	5588 + 2812	8370 + 30	8360 - 560	4335 + 4065	1576 + 6824
9270 - 870	7308 + 1092	3886 + 4514	8703 - 303	6238 + 2162	7083 + 1317	3591 + 4809	1162 + 7238	4200 + 4200
7787 + 613	7787 + 613	3886 + 4514	8703 - 303	7308 + 1092	7787 + 613	3073 + 5327	7456 + 944	6726 + 1674
3979 + 4421	8434 - 34	5927 + 1573	5124 + 2376	6329 + 1171	8233 - 733	8899 - 1399	3980 + 4420	9335 - 935
6967 + 233	3887 + 4513	8704 - 304	1042 + 6458	1964 + 5536	8825 - 1325	5589 + 2811	8360 + 40	2546 + 4654
1827 + 5373	658 + 6542	6475 + 1925	4660 + 3740	2461 + 5939	8417 - 17	958 + 7442	3043 + 4157	4380 + 2820

Summer Number Puzzles

I collect some shells on the beach.

I multiply the number of shells I have by 7.

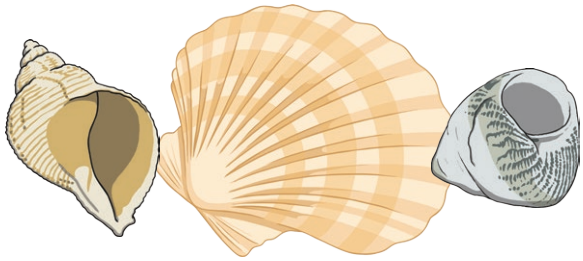
I then subtract 7,

multiply by 9,

and divide by 2.

I end with the number 1953.

How many shells did I collect?



I practise cartwheels on the sand.

I multiply the number of cartwheels I do by 38.

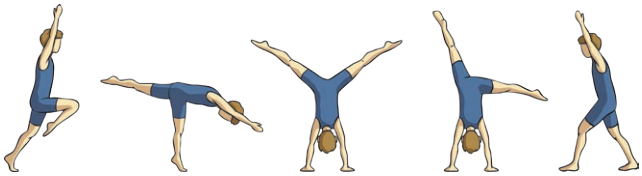
I then subtract 83,

multiply by 100,

and divide by 4.

I end with the number 19 775.

How many cartwheels did I do?



I decorate my sandcastle with flags.

I multiply the number of flags I use by 26.

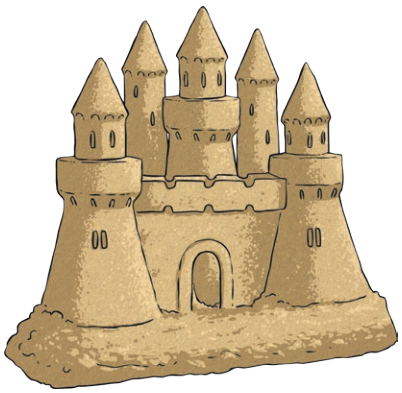
I then add 132,

multiply by 4,

and divide by 10.

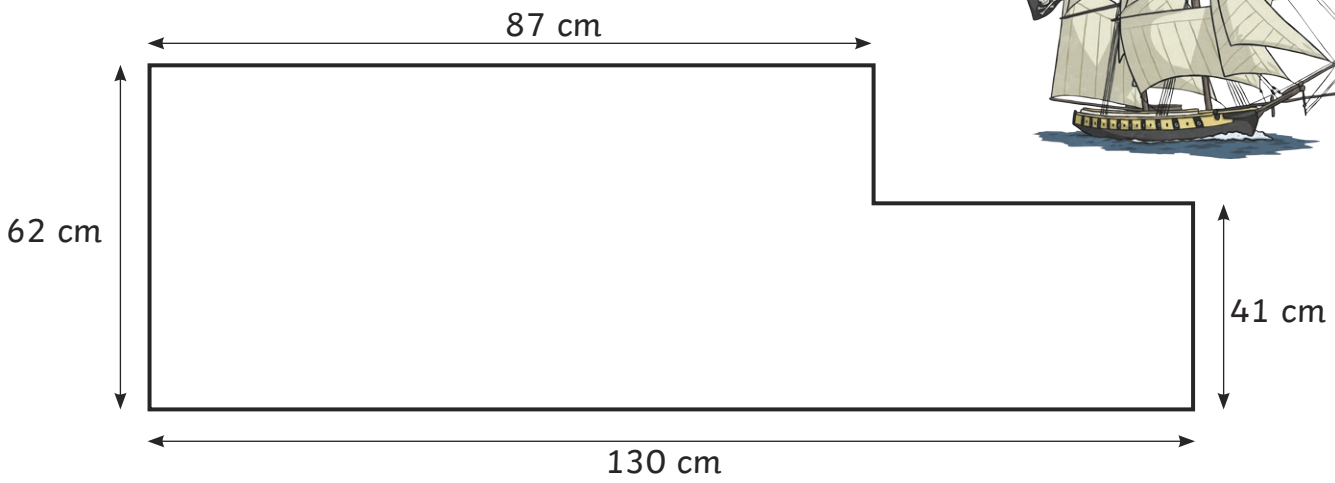
I end with the number 344.

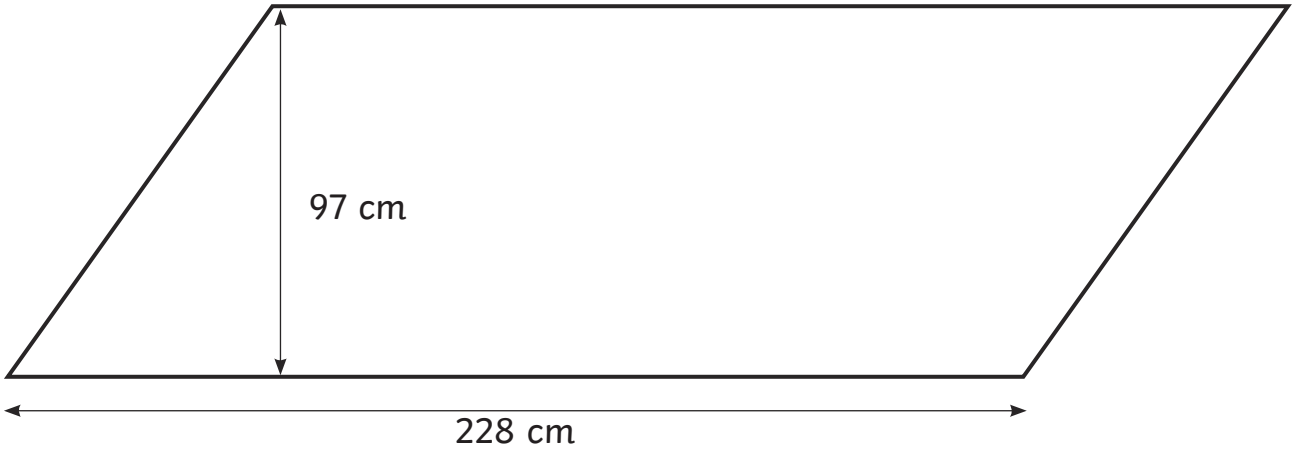
How many flags did I use to decorate my sandcastle?

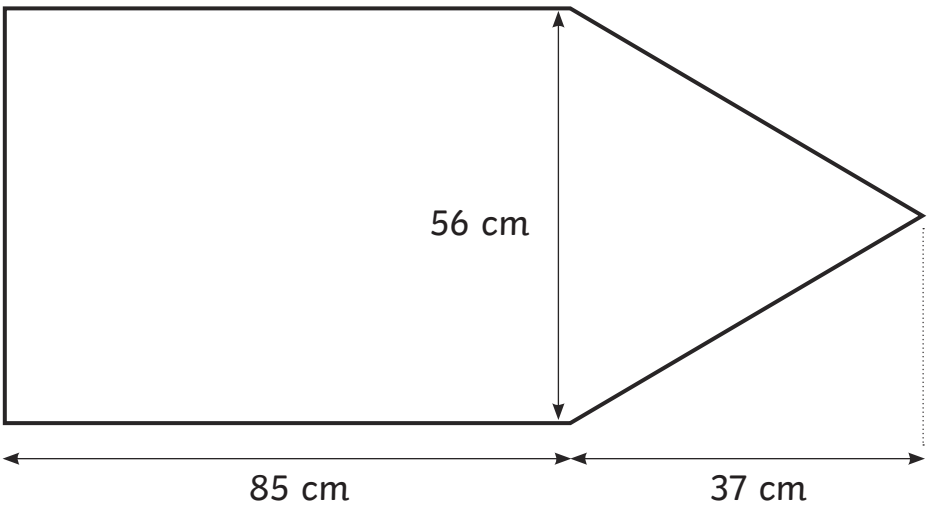


Pirate Flags

Use the dimensions to calculate the area of each pirate flag.
(Not drawn to scale)







Converting Units of Time Board Game

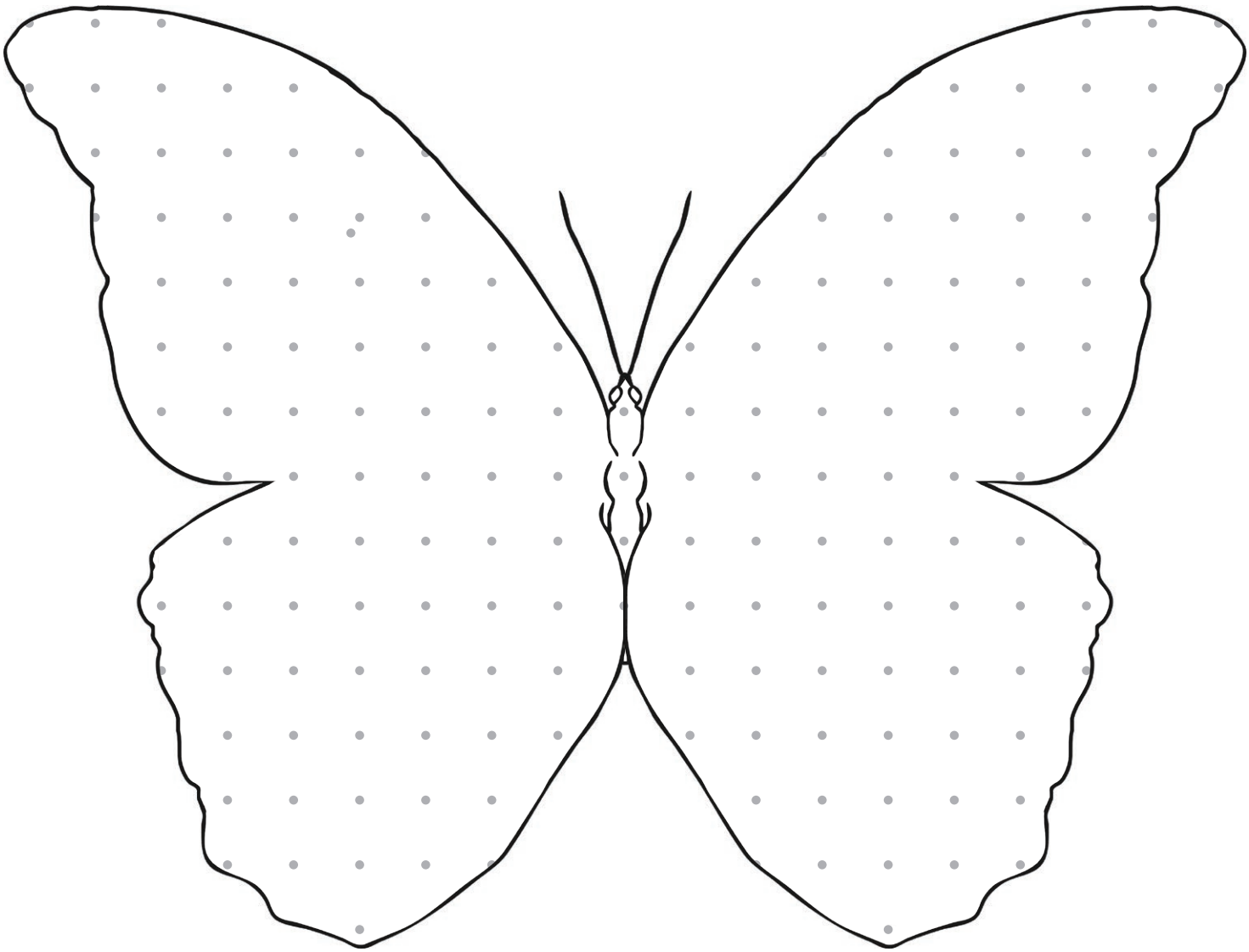
Instructions

- Each player must choose a space to start from and place their counter on it.
- The first player rolls the dice and moves their counter clockwise.
- They must answer the question in that square, find the answer on the correct shell and cover it over.
- The next player will take their turn.
- If a player lands on a square where the answer has already been covered, they must miss a go.
- The winner is the player who has covered the most shells.

$\frac{2}{8} + \frac{1}{3}$	$1\frac{3}{9} - \frac{2}{5}$	$\frac{2}{3} + \frac{6}{9}$	$1\frac{9}{10} - \frac{2}{3}$	$\frac{1}{2} + \frac{2}{3}$
$\frac{2}{10} + \frac{3}{5}$				$1\frac{1}{8} - \frac{5}{6}$
$\frac{2}{8} + \frac{1}{2}$				$\frac{1}{2} + \frac{7}{8}$
$1\frac{4}{10} - \frac{1}{3}$				$1\frac{5}{12} - \frac{1}{2}$
$\frac{4}{10} + \frac{4}{5}$	$1\frac{1}{2} - \frac{1}{4}$	$\frac{1}{6} + \frac{8}{12}$	$1\frac{3}{4} - \frac{2}{3}$	$\frac{2}{6} + \frac{5}{9}$

Butterfly Pattern Symmetry

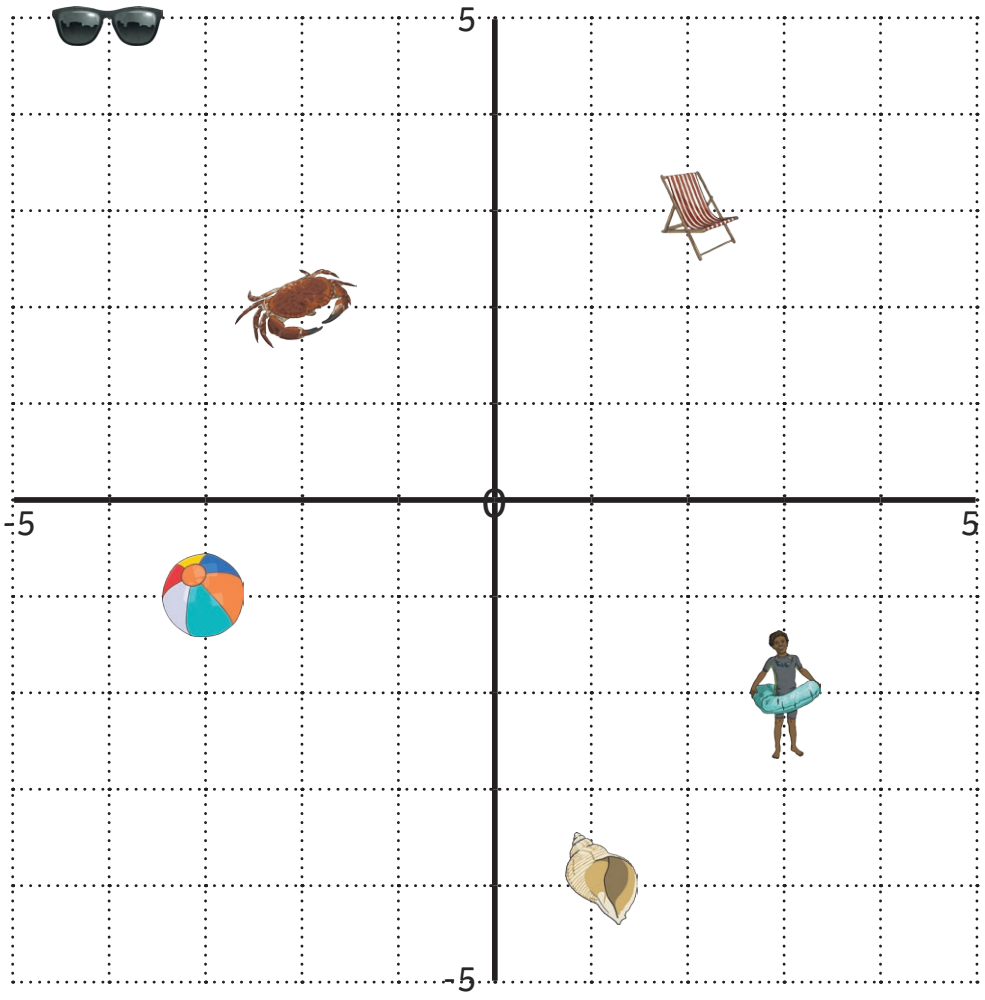
Draw a symmetrical pattern on this butterfly using different regular and irregular polygons.



Which polygons did you use in your symmetrical design?

Summer-Themed Coordinate Translations

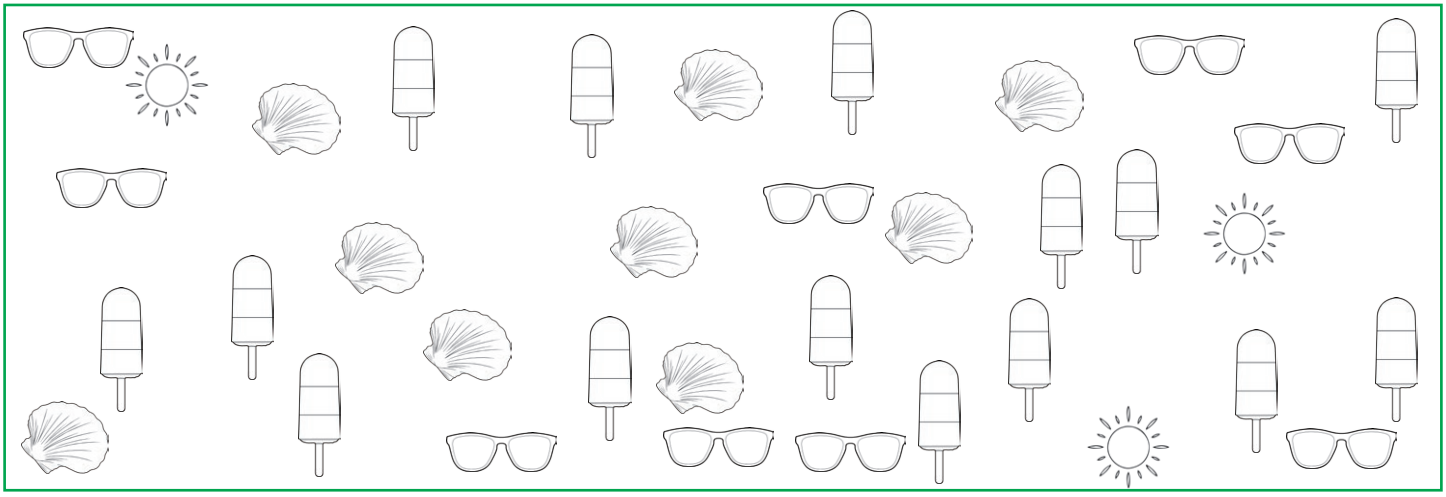
Write the coordinates of the summer-themed objects. Translate them and write the new coordinates.



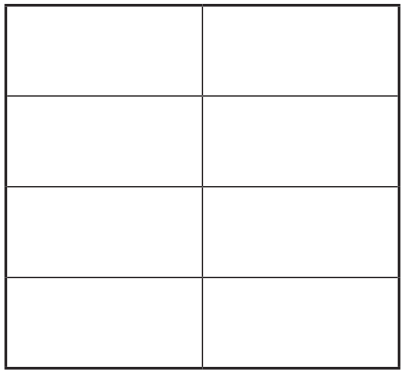
Object	Starting Coordinate	Translation	Finishing Coordinate
		Right 4, Up 6	
		Right 5, Down 7	
		Left 4, Down 3	
		Left 1, Up 2	
		Right 3, Down 1	
		Right 1, Up 2	

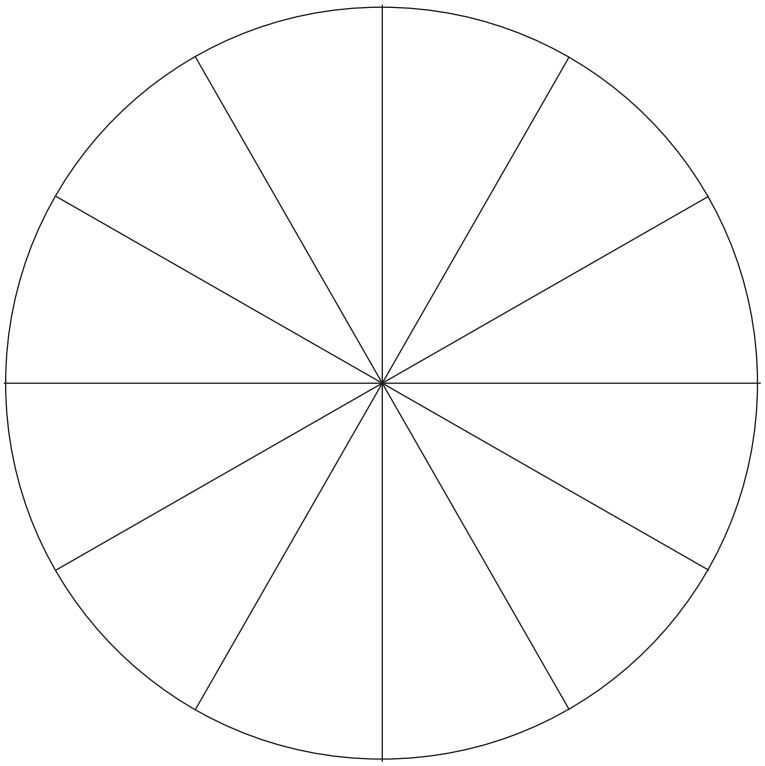
Summer Holiday Pie Chart

Count the summer-themed objects carefully. Represent the results as a pie chart.



Key





Item	Pie Chart Colour	Frequency	Fraction	Number of Pie Chart Segments
Sun				
Sea shell				
Ice lolly				
Sunglasses				

Summer Holiday Activities Board Game

You will need:

• counters

• a dice

• a pencil

Instructions

Each player starts the game with 1000 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:**
1000	1000	1000	1000

Summer Holiday Activities Board Game

START

+ 122

- 158

+ 91

- 117

+ 153

- 74

FINISH

+ 206

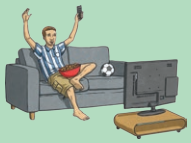
+ 101

- 48

+ 122

- 159

- 139



+ 106

+ 142

- 131

+ 147

- 113

+ 164

- 108

+ 178

+ 161

-42

+ 169

- 96

+ 124

- 123

+ 187