

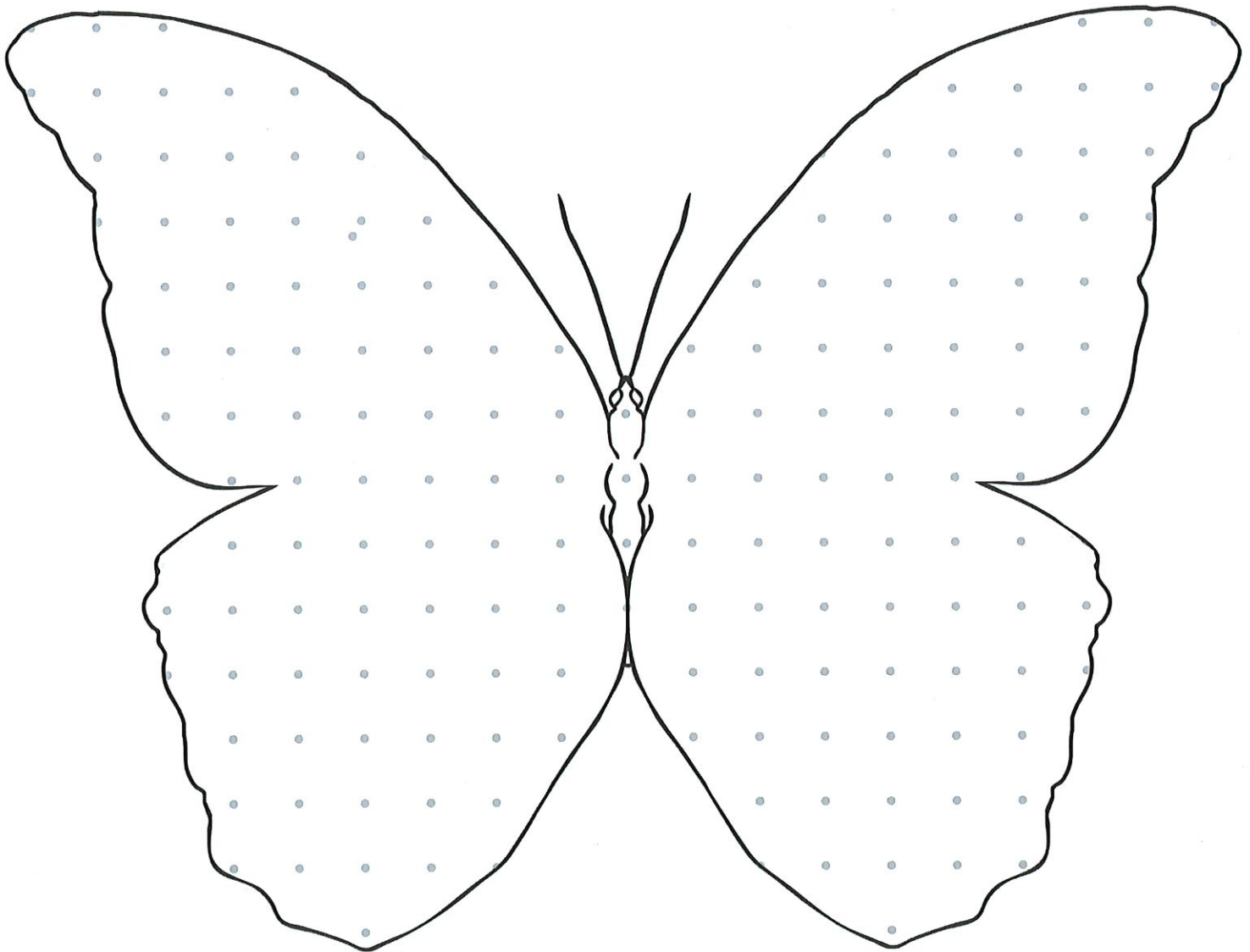
Year 5 Summer-Themed
Maths Activity Booklet

Name: _____



Butterfly Pattern Symmetry


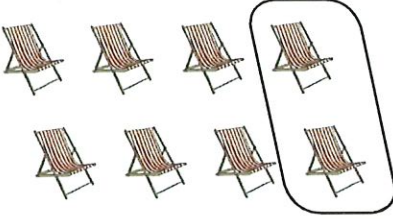
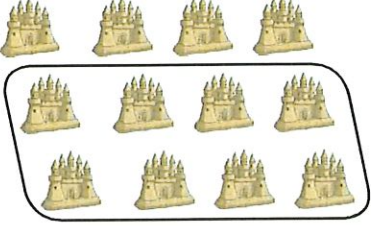
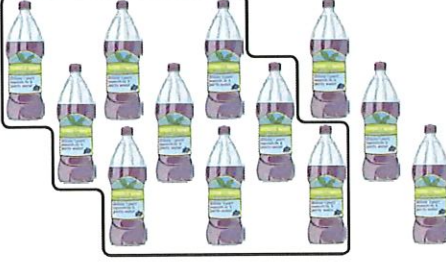
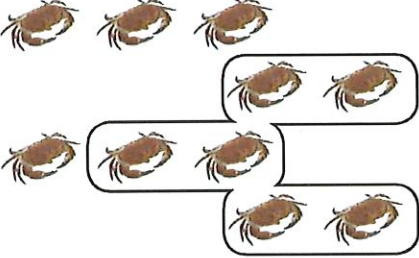

Draw a symmetrical pattern on this butterfly using different quadrilaterals.



Which quadrilaterals did you use in your symmetrical design?

Summer Fractions

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

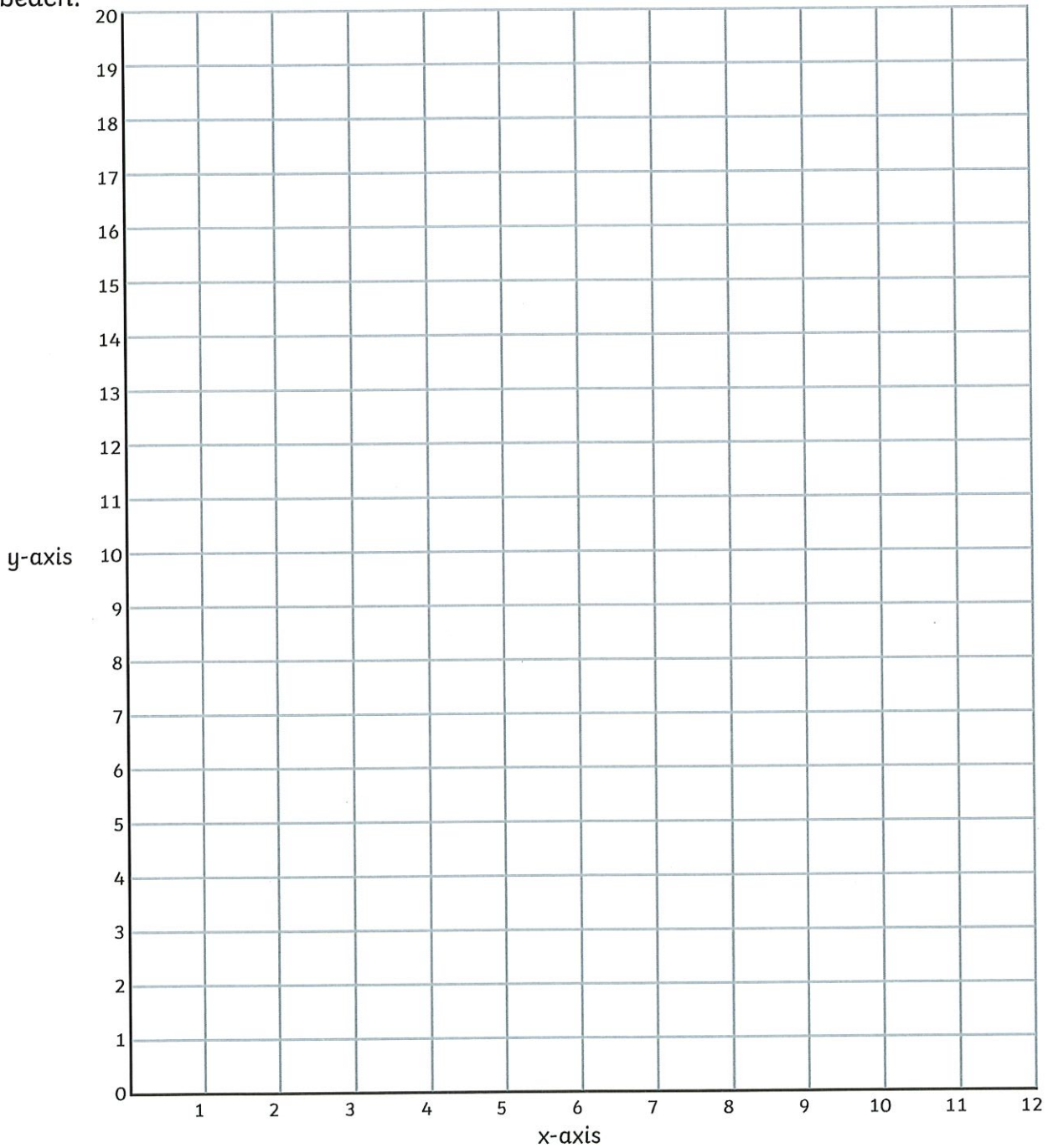
 <p>$\frac{2}{3}$ of 6 = 4</p>		
		

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

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

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)					

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

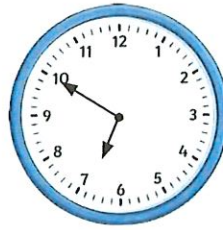
Total



Holiday Time!



What time did the children get up?



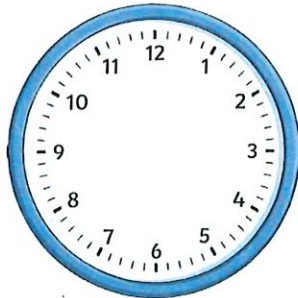
What time did the children set off for the beach?



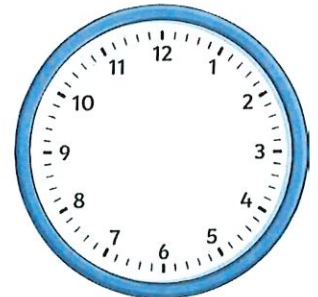
What time did the children stop at the service station for breakfast?



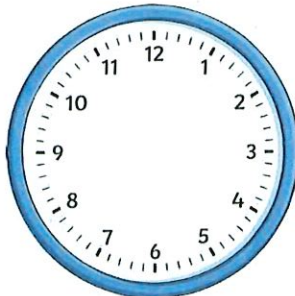
What time did the children arrive at the seaside?



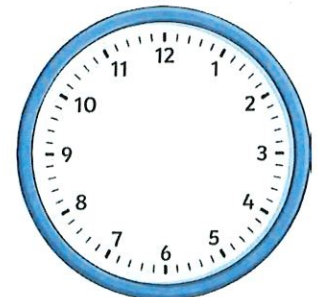
Draw the hands on the clock to show when the children had fish and chips.



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



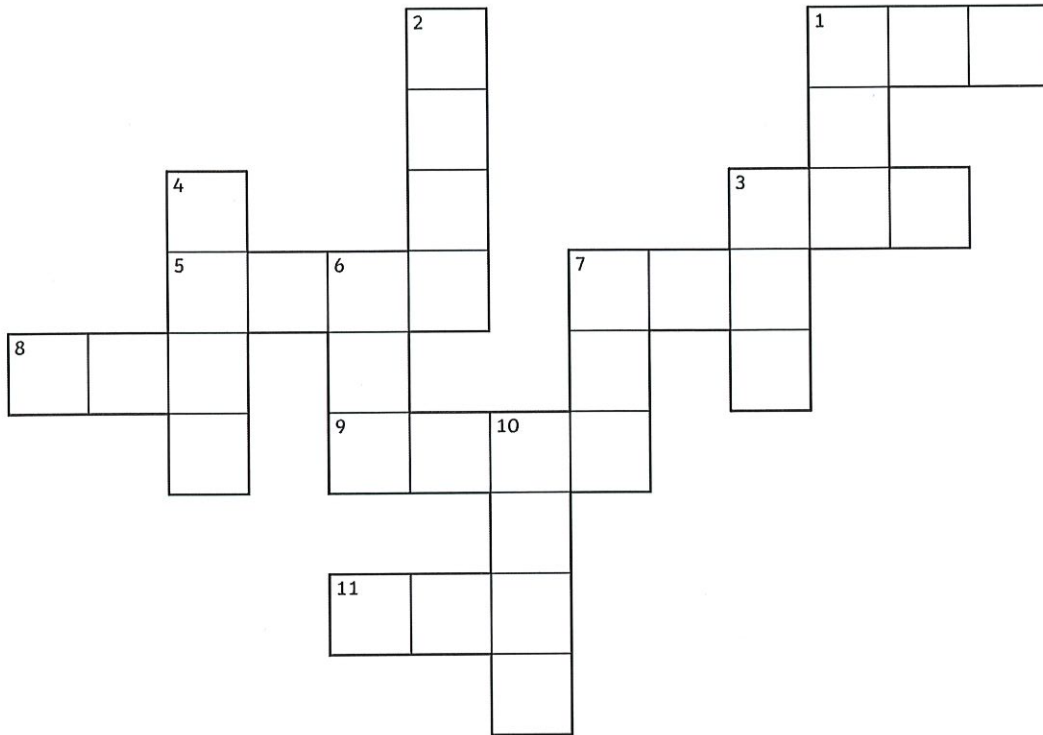
The clock shows when the children went paddling in the sea. They came out of the sea after 45 minutes. Draw the hands on the clock to show when they finished paddling.



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.

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. ×

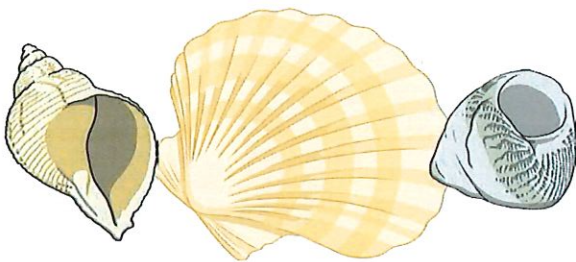
Down:

1. ×
2. ×
3. ×
4. ×
6. ×
7. ×
10. ×

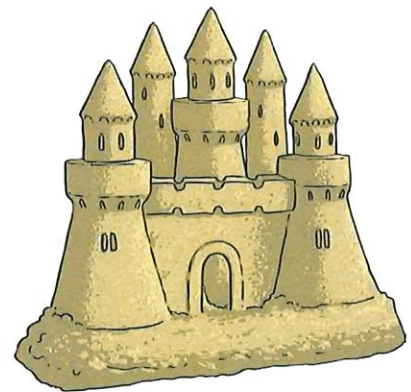
2	4	8	6	1	0	5	9	3	7

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?



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
$72 \div 9$		
Half of 12		
$27 - 14$		
$100 - 81$		
Double 13		
$700 \div 100$		

	Answer	Letter
$50 - 32$		
Half of 48		
$66 \div 3$		

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

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

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

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 = $\frac{1}{3}$

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