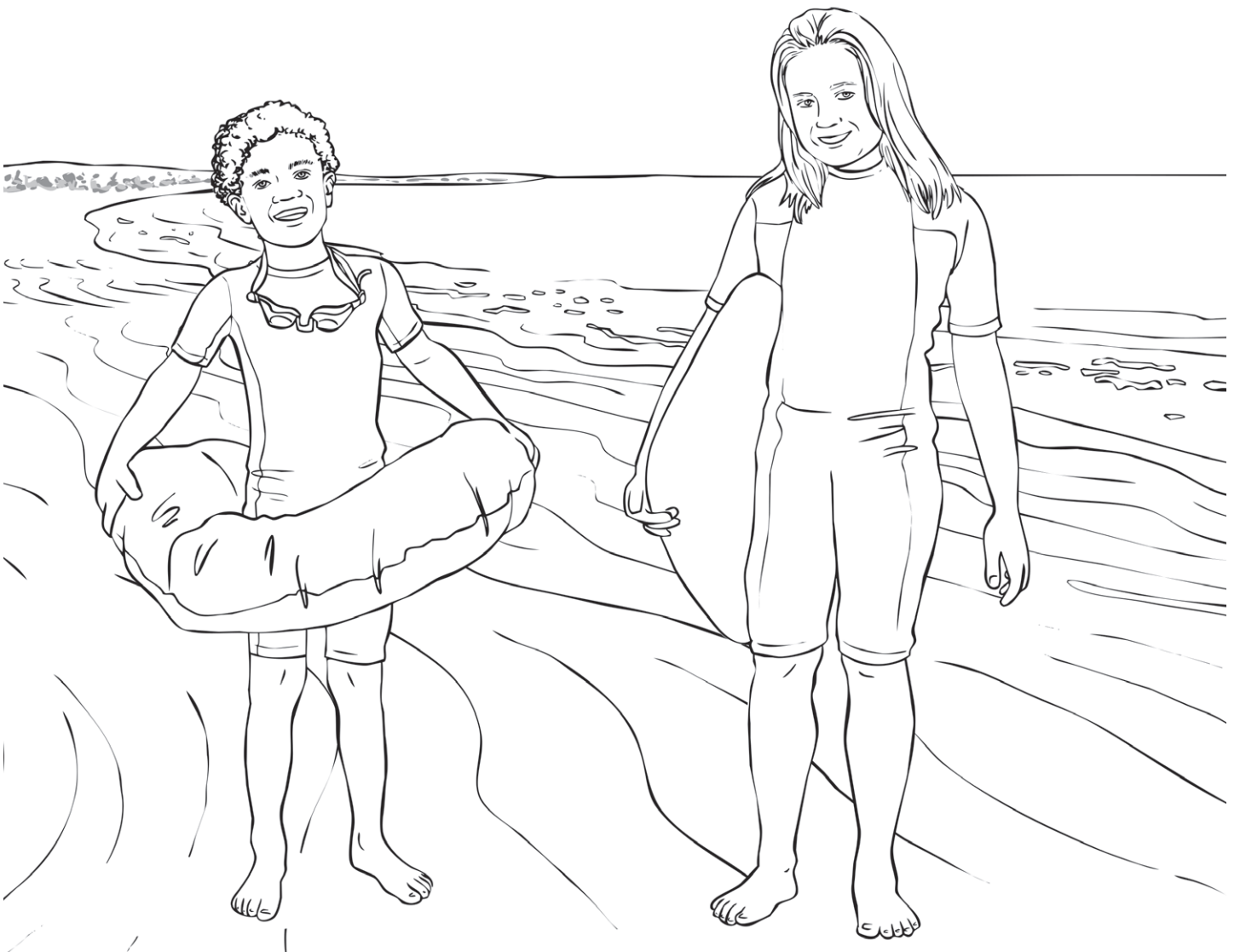
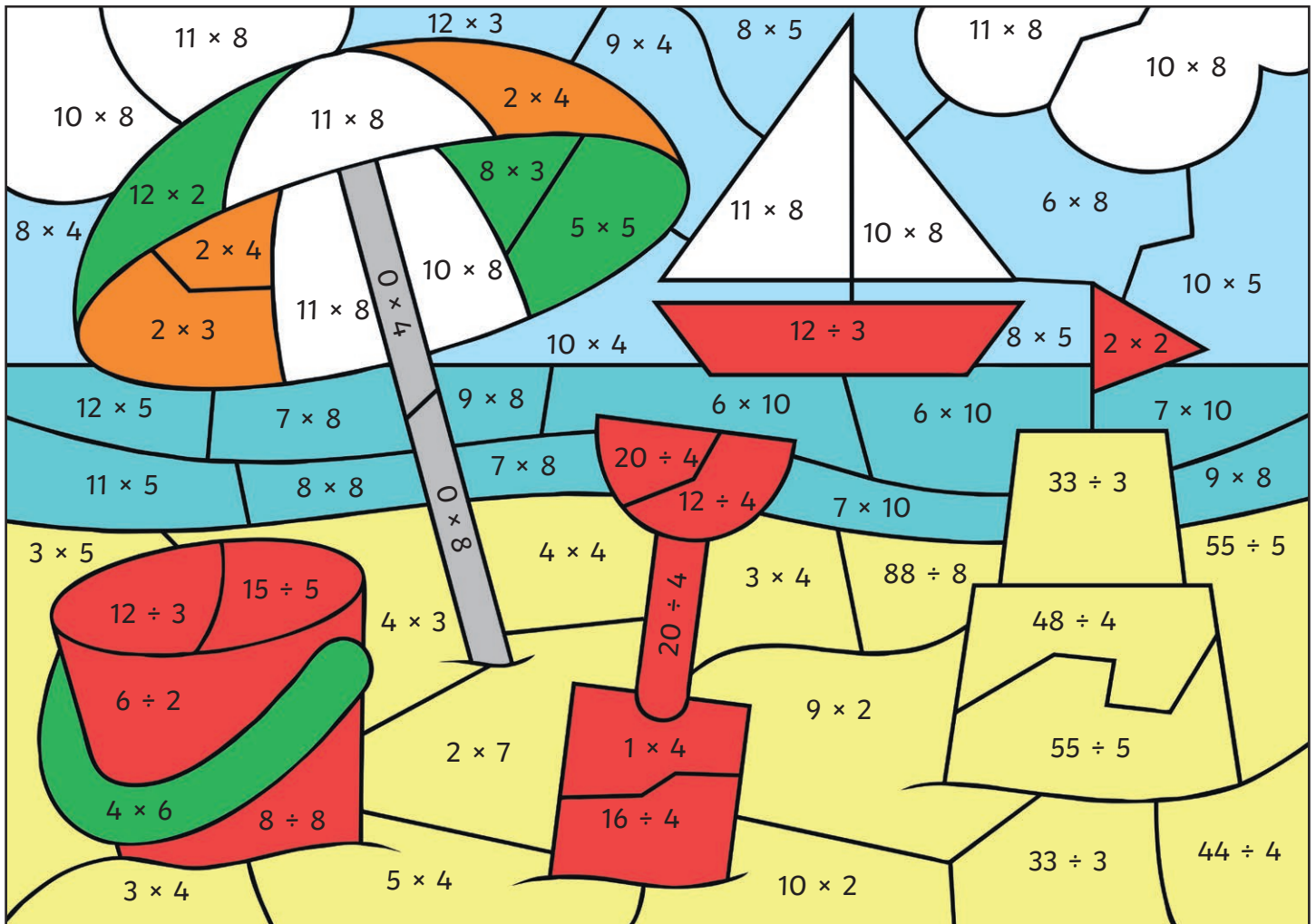


Year 3 Summer-Themed  
**Maths Activity Booklet**  
**Answers**



# 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 - 10	11 - 20	21 - 30	31 - 50	51 - 79	80 - 100



# At the Beach Café



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

Menu	
Cola.....65p	Small chips..... £1.50
Lemonade .....60p	Large chips ..... £2.10
Tea.....80p	Ice cream..... £1.20
Coffee .....£1	Pizza..... £3.00
Ham sandwich. £2.20	

## Table 1

Cola.....	<b>65p</b>
Ice cream.....	<b>£1.20</b>
Total .....	<b>£1.85</b>

## Table 2

Tea.....	<b>80p</b>
Coffee .....	<b>£1.00</b>
Pizza.....	<b>£3.00</b>
Ham sandwich.....	<b>£2.20</b>
Total .....	<b>£7.00</b>

## Table 3

2 × Tea.....	£1.60
Large chips.....	£2.10
Total .....	£3.70

## Table 4

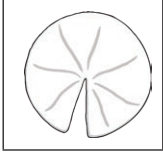
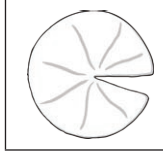
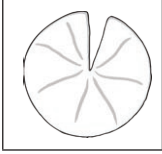
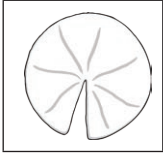
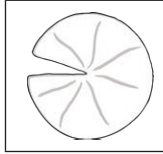
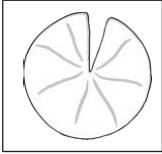
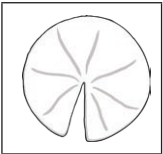
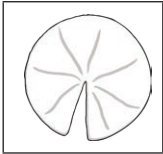
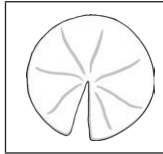
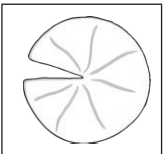
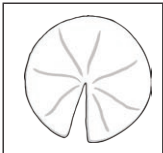
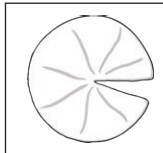
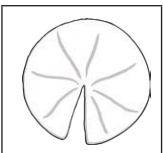
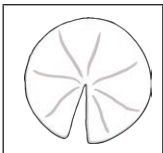
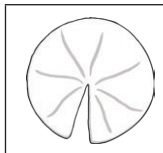
2 × Lemonade .....	<b>£1.20</b>
Coffee .....	<b>£1.00</b>
2 × Ice cream.....	<b>£2.40</b>
Small chips.....	<b>£1.50</b>
Total .....	<b>£6.10</b>



# Counting in 3s Summer Maze

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



	<b>0</b>	<b>3</b>	<b>6</b>	<b>9</b>	<b>12</b>	24	33
6		8		<b>15</b>		36	
9	12	<b>24</b>	<b>21</b>	<b>18</b>	24	27	
15		<b>27</b>		16		30	
15	18	24	27	<b>30</b>	<b>33</b>	<b>36</b>	33
21		27		49		<b>39</b>	33
24	58	<b>54</b>	<b>51</b>	<b>48</b>	<b>45</b>	<b>42</b>	39
30		<b>57</b>		45		39	
21	64	<b>60</b>	66	69	72	75	
24		<b>63</b>		73		<b>81</b>	
51	54	<b>66</b>	<b>69</b>	<b>72</b>	<b>75</b>	<b>78</b>	



# Multiplication and Division Facts

## Summer Mosaic

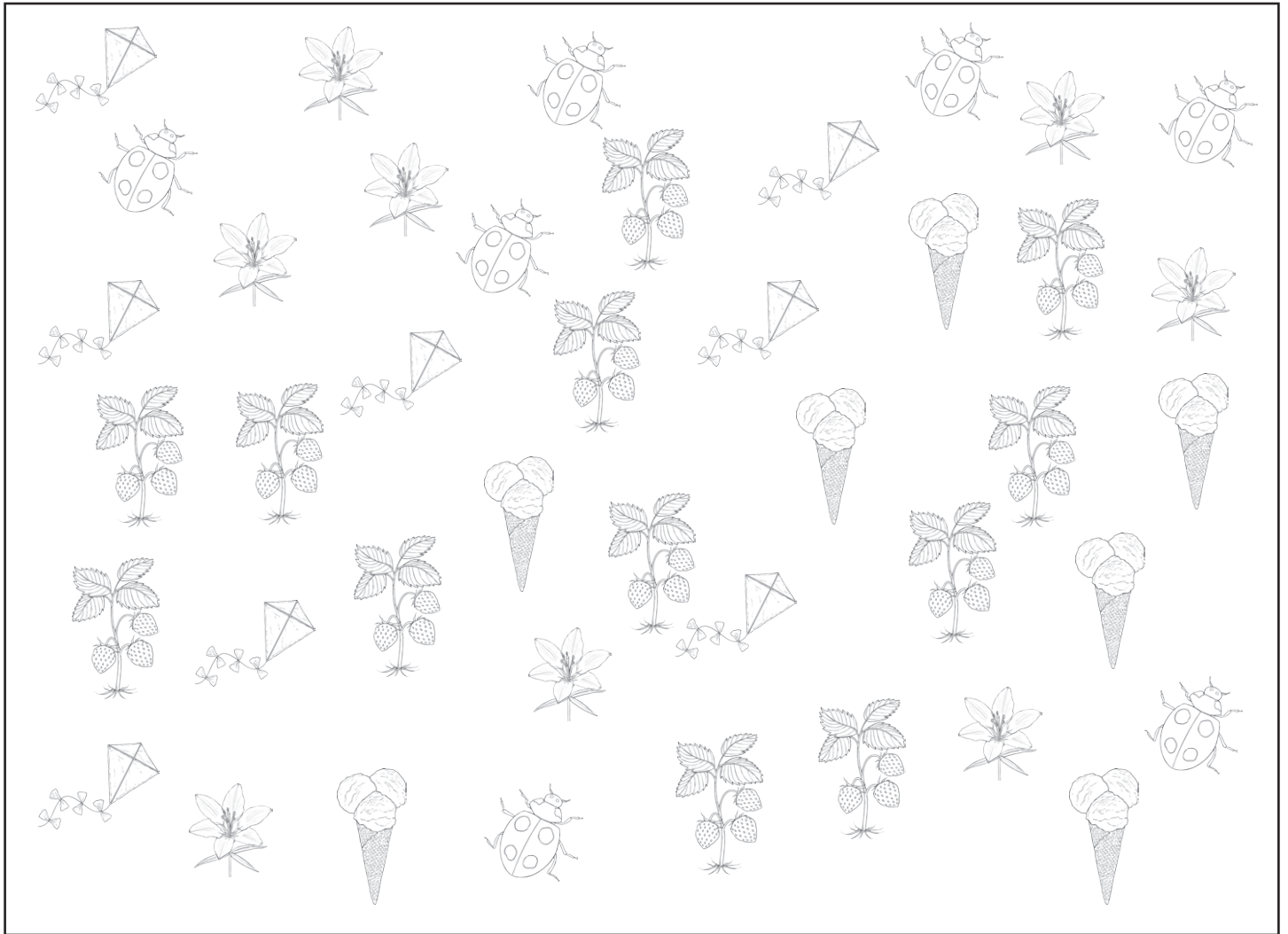
Solve the calculations to reveal the hidden picture. Each answer has a special colour.






yellow = 1 - 6 | blue = 7 - 18 | red = 19 - 39 | green = 40 - 65 | black = 66 - 96

$72 \div 8$	$33 \div 3$	$27 \div 3$	$80 \div 8$	$4 \times 3$	$36 \div 3$	$80 \div 8$	$21 \div 3$	$36 \div 4$	$24 \div 3$	$1 \times 8$
$30 \div 3$	$36 \div 3$	$10 \times 8$	$12 \times 8$	$24 \div 3$	$21 \div 3$	$8 \times 8$	$11 \times 4$	$12 \times 4$	$6 \times 8$	$10 \times 4$
$44 \div 4$	$9 \times 8$	$1 \times 8$	$36 \div 4$	$10 \times 8$	$33 \div 3$	$6 \times 8$	$32 \div 4$	$3 \times 4$	$72 \div 8$	$10 \times 4$
$11 \times 8$	$27 \div 3$	$72 \div 8$	$24 \div 3$	$21 \div 3$	$11 \times 8$	$11 \times 4$	$5 \times 8$	$6 \times 8$	$8 \times 8$	$7 \times 8$
$12 \times 8$	$3 \times 3$	$21 \div 3$	$36 \div 3$	$4 \times 3$	$9 \times 8$	$36 \div 4$	$64 \div 8$	$12 \times 4$	$30 \div 3$	$56 \div 8$
$7 \times 4$	$4 \times 8$	$8 \times 3$	$4 \times 4$	$3 \times 8$	$9 \times 3$	$33 \div 3$	$28 \div 4$	$5 \times 8$	$72 \div 8$	$44 \div 4$
$2 \times 8$	$7 \times 3$	$11 \times 3$	$9 \times 3$	$12 \times 3$	$36 \div 4$	$27 \div 3$	$8 \div 1$	$11 \times 4$	$21 \div 3$	$1 \times 8$
$12 \div 3$	$12 \times 3$	$8 \times 4$	$11 \times 3$	$6 \times 4$	$40 \div 8$	$12 \times 4$	$8 \times 1$	$5 \times 8$	$7 \times 8$	$11 \times 4$
$4 \div 4$	$4 \times 8$	$8 \times 3$	$3 \times 8$	$3 \times 8$	$24 \div 8$	$5 \times 8$	$10 \times 4$	$6 \times 8$	$12 \times 4$	$5 \times 8$
$1 \times 4$	$7 \times 3$	$9 \times 4$	$12 \times 3$	$10 \times 3$	$8 \div 8$	$12 \div 4$	$11 \times 4$	$7 \times 8$	$8 \times 8$	$48 \div 8$
$2 \times 3$	$48 \div 8$	$20 \div 4$	$3 \div 3$	$16 \div 8$	$16 \div 4$	$15 \div 3$	$20 \div 4$	$32 \div 8$	$1 \times 4$	$20 \div 4$

# Summertime I Spy and Calculations

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



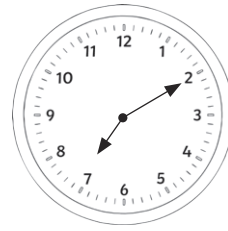
	Number of flowers: <b>8</b>	Number of petals on each flower: <b>6</b>	Number of petals in total: <b>48</b>
	Number of ladybirds: <b>7</b>	Number of spots on each ladybird: <b>4</b>	Number of spots in total: <b>28</b>
	Number of strawberry plants: <b>12</b>	Number of strawberries on each plant: <b>3</b>	Number of strawberries in total: <b>36</b>
	Number of kites: <b>8</b>	Number of bows on each kite: <b>4</b>	Number of bows in total: <b>32</b>
	Number of ice creams: <b>7</b>	Number of scoops in each ice cream: <b>3</b>	Number of scoops in total: <b>21</b>

# Holiday Time!



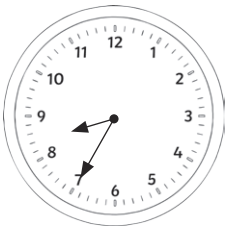
What time did the children get up?

**6:25 a.m. or 06:25**



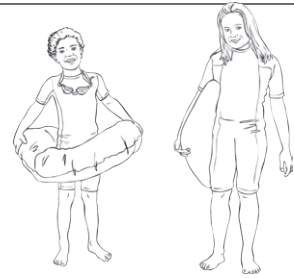
What time did the children set off for the beach?

**7:10 a.m. or 07:10**



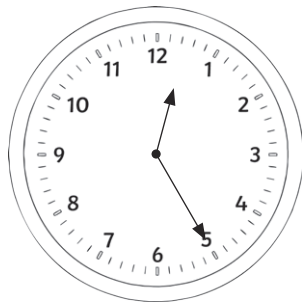
What time did the children stop at the service station for breakfast?

**8:35 a.m. or 08:35**

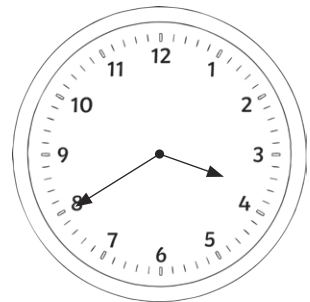


What time did the children arrive at the seaside?

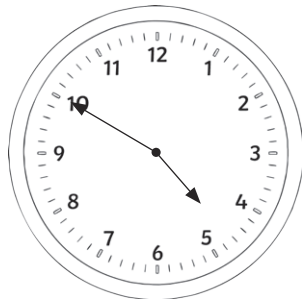
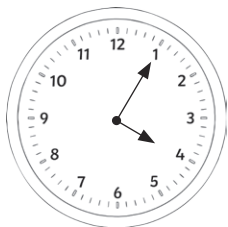
**9:55 a.m. or 09:55**



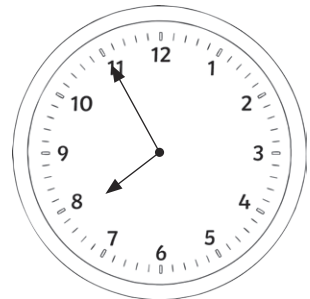
Draw the hands on the clock to show when the children had fish and chips.



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



The clock shows the time the children went paddling in the sea. They came out of the sea after  $\frac{3}{4}$  of an hour. Draw the hands on the clock to show when they finished paddling.



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

# 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
$5 \times 5$	25	B
$24 \div 4$	6	U
$6 \times 4$	24	C
Double 8	16	K
$11 \times 2$	22	E
$\frac{1}{2}$ of 14	7	T

	Answer	Letter
$52 - 44$	8	S
$200 - 196$	4	W
$50 - 32$	18	I
$6 + 8$	14	M
$32 \div 4$	8	S
$84 - 78$	6	U
$3 + 15$	18	I
$28 \div 4$	7	T

	Answer	Letter
$35 \div 5$	7	T
$99 - 87$	12	O
$50 - 46$	4	W
$\frac{1}{2}$ of 44	22	E
$9 + 6$	15	L

	Answer	Letter
$30 - 11$	19	H
Double 13	26	A
$\frac{1}{4}$ of 28	7	T


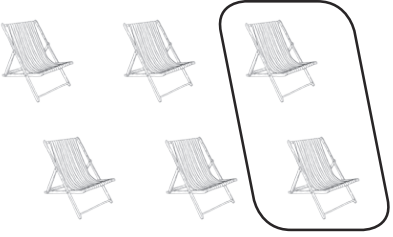
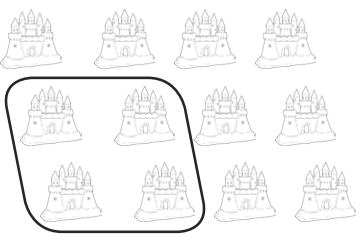
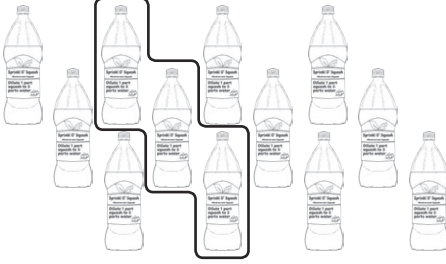
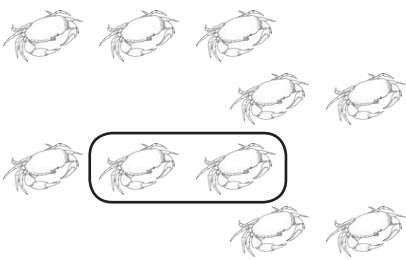
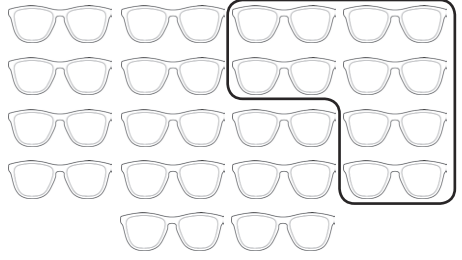
	Answer	Letter
$64 \div 8$	8	S
$48 \div 8$	6	U
$\frac{1}{4}$ of 52	13	N
$8 \times 3$	24	C
$45 \div 5$	9	R
$\frac{1}{4}$ of 88	22	E
$\frac{1}{2}$ of 52	26	A
$30 - 16$	14	M

	Answer	Letter
$40 - 22$	18	I
$12 \times 2$	24	C
$11 \times 2$	22	E
$23 - 8$	15	L
$6 \times 2$	12	O
$\frac{1}{2}$ of 30	15	L
$65 - 50$	15	L
$16 \div 8$	2	Y



# Summer Fractions

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

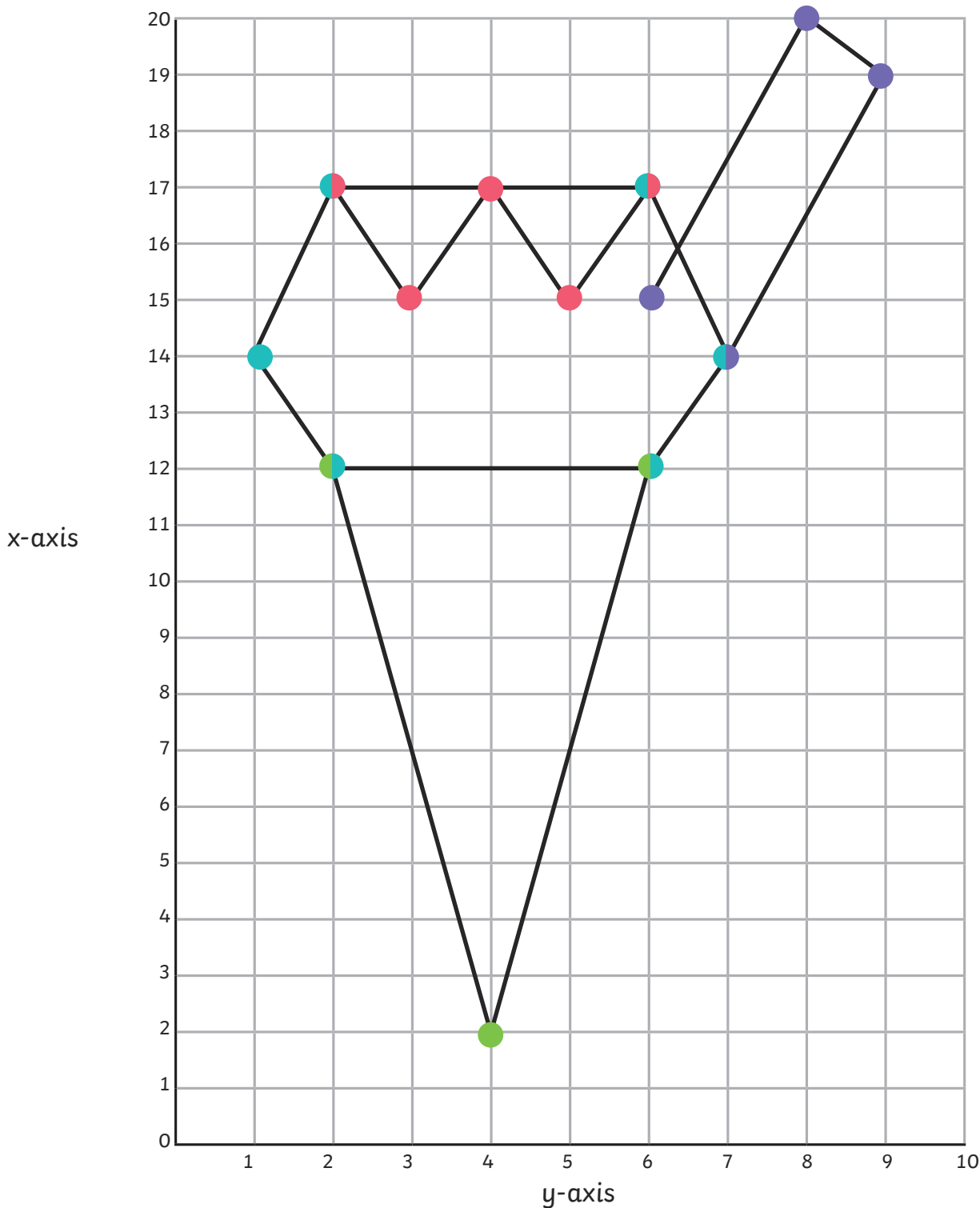
 <p><math>\frac{1}{2}</math> of 6 = 3</p>	 <p><math>\frac{1}{3}</math> of 6 = 2</p>	 <p><math>\frac{1}{3}</math> of 12 = 4</p>
 <p><math>\frac{1}{4}</math> of 12 = 3</p>	 <p><math>\frac{1}{5}</math> of 10 = 2</p>	 <p><math>\frac{1}{3}</math> of 18 = 6</p>

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

<p><math>\frac{1}{4}</math> of 8 = 2</p> <p><b>Pupil's own answer showing 8 items, 2 of which are contained within a circle.</b></p>	<p><math>\frac{1}{2}</math> of 4 = 2</p> <p><b>Pupil's own answer showing 4 items, 2 of which are contained within a circle.</b></p>
<p><math>\frac{1}{3}</math> of 9 = 3</p> <p><b>Pupil's own answer showing 9 items, 3 of which are contained within a circle.</b></p>	<p><math>\frac{1}{4}</math> of 20 = 5</p> <p><b>Pupil's own answer showing 20 items, 5 of which are contained within a circle.</b></p>

# Coordinates Mystery Picture

Plot these coordinates on to the grid and join them together to draw a summertime treat.



Line 1	(2, 12)	(4, 2)	(6, 12)	(2, 12)		
Line 2	(2, 12)	(1, 14)	(2, 17)	(6, 17)	(7, 14)	(6, 12)
line 3	(2, 17)	(3, 15)	(4, 17)	(5, 15)	(6, 17)	
Line 4	(7, 14)	(9, 19)	(8, 20)	(6, 15)		

# Time Zone Text Messages

Read the holiday text messages and calculate what time is it in the United Kingdom?

Hello from Greece. It is 1:05 p.m. The time is 2 hours ahead of the UK.

**11:05 a.m.**

---



Greetings from Austin, Texas, USA. It is 5:45 p.m. The time is 6 hours behind the UK.

**11:45 p.m.**

---

Happy holidays from Moscow, Russia. It is 7:20 a.m. The time is 2 hours ahead of the UK.

**5:20 a.m.**

---

Good afternoon from Canada. It is 5:15 p.m. The time is 5 hours behind the UK.

**10:15 p.m.**

---

G'day from Sydney, Australia. It is 7:30 a.m. The time is 10 hours ahead of the UK.

**9:30 p.m.**

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