Year 4
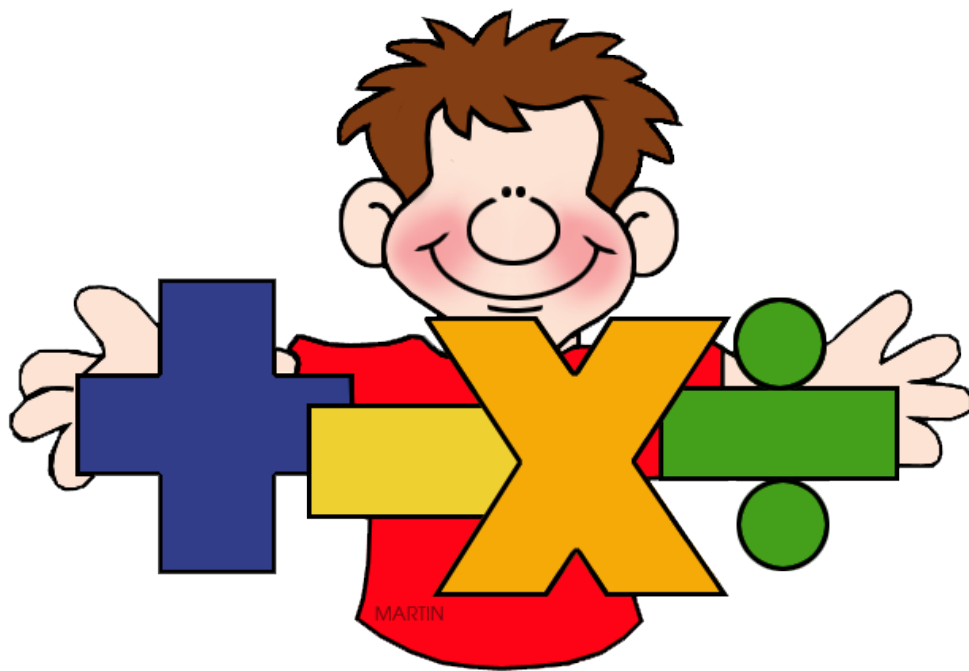
Mathematics & Numeracy

Home Learning

Word Search 4 Times table

Answer the calculations below and find the answers in the word search:

4 x 3 =

4 x 4 =

4 x 11 =

4 x 8 =

4 x 10 =

4 x 2 =

f	t	h	i	r	t	y	t	w	o
t	o	h	f	o	r	t	y	w	o
w	t	r	s	i	x	e	e	t	e
e	w	r	t	e	s	e	s	h	i
l	s	e	l	y	n	l	h	i	g
v	k	i	e	t	f	e	e	r	h
e	a	e	y	e	a	o	t	t	t
f	o	r	t	e	o	o	u	y	e
o	n	n	e	e	t	h	g	r	e
s	i	x	t	e	e	n	b	n	n

Word Search 3 Times table

Answer the calculations below and find the answers in the word search:

3 x 3 =

3 x 4 =

3 x 10 =

3 x 6 =

3 x 2 =

3 x 7 =

e	t	h	i	r	t	y	n	e	l
t	n	h	x	t	t	e	r	t	o
w	i	u	e	d	b	i	w	n	e
e	n	r	w	e	s	e	e	o	s
l	e	e	l	p	n	e	h	u	i
v	k	e	e	t	t	i	e	r	x
e	a	e	y	h	a	u	t	n	e
m	q	o	g	e	o	o	k	i	e
o	n	i	e	e	t	h	g	n	e
e	e	d	j	p	z	o	b	n	n

Word Search 8 Times table

Answer the calculations below and find the answers in the word search:

5 x 8 =

8 x 7 =

8 x 3 =

4 x 8 =

8 x 10 =

8 x 2 =

t	o	e	v	e	n	e	y	i	e
h	w	h	t	w	e	i	v	e	f
i	t	e	e	d	b	g	n	o	i
r	y	e	n	e	s	h	r	h	f
t	t	e	e	t	y	t	e	i	t
y	r	i	r	t	y	y	e	r	y
t	i	y	t	r	o	f	t	t	s
w	h	e	w	u	o	u	o	y	i
o	t	o	o	e	t	e	o	u	x
e	s	i	x	t	e	e	n	n	r

Counting in 1000s

Complete the following sequences:

a) 1000   2000   3000   _____   5000   _____

b) 9000   8000   _____   6000   _____   4000

c) _____   5000   6000   7000   _____   9000

d) 8000   _____   _____   5000   4000   3000

e) 6000   _____   8000   9000   _____   11 000

f) _____   11 000   10 000   _____   8000   7000

g) 16 000   15 000   _____   13 000   _____   11 000

h) 19 000   _____   _____   22 000   23 000   24 000

i) _____   _____   27 000   28 000   29 000   30 000

j) 76 000   75 000   _____   _____   72 000   71 000

Challenge: Can you count on in thousands from these numbers?

k) 187 000   _____   _____   _____   _____   _____   _____

l) 462 000   _____   _____   _____   _____   _____   _____

m) 698 000   _____   _____   _____   _____   _____   _____

Can you complete these?

n) _____   _____   345 000   _____   _____   _____   _____

o) _____   _____   _____   _____   501 000   _____   _____

p) _____   _____   _____   _____   _____   _____   970 000

Counting in 1000s Not From 0

Complete the following sequences:

a) 1013   2013   3013   _____   5013   _____

b) 10 472   9472   _____   7472   _____   5472

c) _____   5706   6706   7706   _____   9706

d) 12 293   _____   _____   9293   8293   7293

e) 6038   _____   8038   9038   _____   11 038

f) _____   11 720   10 720   _____   8720   7720

g) 26 671   25 671   _____   23 671   _____   21 671

h) 19 337   _____   _____   22 337   23 337   24 337

i) _____   _____   47 405   48 405   49 405   50 405

j) 66 049   65 049   _____   _____   62 049   61 049

Challenge: can you count on in thousands from these numbers?

k) 104 892   _____   _____   _____   _____   _____   _____

l) 386 315   _____   _____   _____   _____   _____   _____

m) 740 012   _____   _____   _____   _____   _____   _____

Can you complete these?

n) _____   _____   290 891   _____   _____   _____   _____

o) _____   _____   _____   _____   601 098   _____   _____

p) _____   _____   _____   _____   _____   _____   930 660

Counting in 6,7 and 9

Complete the following sequences:

a) _____ 12 18 24 30 _____

b) 49 42 _____ 28 _____ 14

c) _____ 45 54 63 _____ 81

d) 90 _____ _____ 72 66 60

e) 56 _____ 70 77 _____ 91

f) _____ 126 120 _____ 108 102

g) 99 108 _____ 126 _____ 144

h) 112 _____ 126 133 140

i) _____ 180 186 192 198

j) 210 203 _____ 189 182

Continue the following sequences:

k) 35 41 47 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

l) 2 11 20 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

m) 40 47 54 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

n) 100 106 112 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

o) 99 106 113 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

p) 300 291 282 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

q) 172 166 160 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

r) 31 40 49 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

s) 86 79 72 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

Challenge

Choose a starting number and count in 6s, 7s and 9s from that number. What is the difference between each number you end up at? Can you explain why?

Add 1000 to the following numbers

1. 2398 + 1000 =

2. 4829 + 1000 =

3. 8023 + 1000 =

4. 3820 + 1000 =

5. 7822 + 1000 =

6. 3419 + 1000 =

7. 6729 + 1000 =

8. 5547 + 1000 =

9. 1009 + 1000 =

10. 345 + 1000 =

11. 8563 + 1000 =

12. 9017 + 1000

13. 6730 + 1000 =

14. 1193 + 1000 =

15. 4508 + 1000 =

16. 11 756 + 1000 =

17. 14 947 + 1000 =

18. 25 902 + 1000 =

19. 49 023 + 1000 =

20. 100 456 + 1000 =

21. 134 982 + 1000 =

22. 249 305 + 1000 =

23. 56 983 + 1000 =

24. 701 034 + 1000 =

25. 38 382 + 1000 =

26. 563 902 + 1000 =

27. 79 826 + 1000 =

28. 399 027 + 1000 =

29. 50 231 + 1000 =

30. 999 000 + 1000 =

Challenge

Can you add 1001, 1010 or 1100 to some of the questions? What about 10 000?

Subtract 1000 from the following numbers

1. 2338 - 1000 =

2. 3729 - 1000 =

3. 8923 - 1000 =

4. 3834 - 1000 =

5. 7892 - 1000 =

6. 3769 - 1000 =

7. 6509 - 1000 =

8. 1147 - 1000 =

9. 7409 - 1000 =

10. 9345 - 1000 =

11. 8721 - 1000 =

12. 6015 - 1000 =

13. 6820 - 1000 =

14. 1013 - 1000 =

15. 9508 - 1000 =

16. 11 902 - 1000 =

17. 13 997 - 1000 =

18. 35 902 - 1000 =

19. 87 320 - 1000 =

20. 100 906 - 1000 =

21. 194 971 - 1000 =

22. 401 305 - 1000 =

23. 83 083 - 1000 =

24. 601 934 - 1000 =

25. 60 382 - 1000 =

26. 672 902 - 1000 =

27. 31 826 - 1000 =

28. 500 408 - 1000 =

29. 90 231 - 1000 =

30. 1 000 000 - 1000 =

Place Value Worksheet

Circle the numbers that have a 6 in the ones place.

8906   3848   2106   1682   9863   8296   6265   9273

Circle the numbers that have a 5 in the tens place.

7653   7902   5623   7855   6539   7205   9058   1251

Circle the numbers that have a 3 in the hundreds place.

7983   3379   1925   1393   6793   2833   9389   7832

Circle the numbers that have a 7 in the thousands place.

8907   7293   6798   4487   8974   8797   7789   3928

Circle the numbers that have a 1 in the ones place.

6451   9803   7751   6512   7631   1728   3183   8911

Circle the numbers that have an 8 in the tens place.

3893   9800   1280   2378   1189   3465   4829   7381

Circle the numbers that have a 7 in the hundreds place.

1787   4578   9927   3703   7289   3799   2097   7770

Circle the numbers that have a 1 in the thousands place.

8719   1287   3144   5861   7612   4122   1920   1123

Place Value Number Sorting Worksheet

Fill in the spaces below with the numbers in order from smallest to largest.

456 564 546 654 465 645
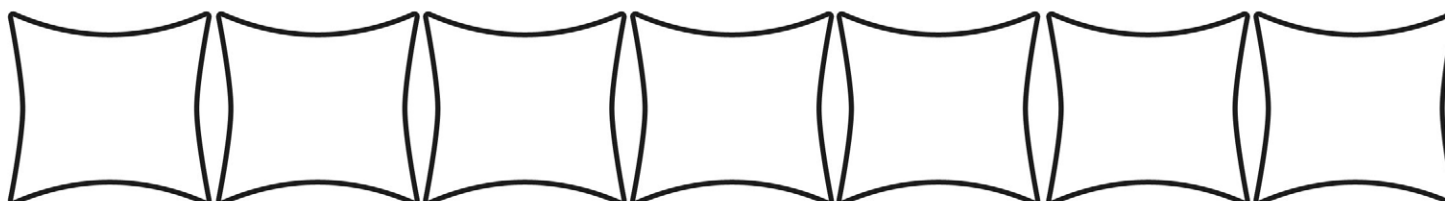
8716 7168 8617 7186 6718 6817 8176

6592 9256 5629 6295 9562 6952 5962

12 604 14 620 16 240 12 460 14 602 16 402 14 260

How to Round a Number Worksheet

39	nearest 1000	3400
65	nearest 10	70
74	nearest 100	100
145	nearest 10	700
736	nearest 10	40
1902	nearest 100	1900
3419	nearest 100	10 000
9567	nearest 100	150

Challenge

Make your own for a friend to check. Some boxes have been completed or partly completed already. You need to include the arrows.

	nearest	
89	nearest	
	nearest 10	
	nearest	
492	nearest 100	
	nearest	
	nearest 1000	

Nearest 10, 100, 1000 Word Problems

1. A supermarket sells 187 cartons of yoghurt a week.

How many cartons is this to the nearest 10 and nearest 100?
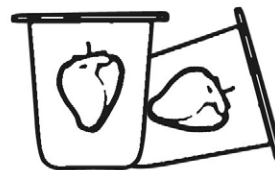
2. There are 35 245 spectators at a football match.

How many is this to the nearest 10, nearest 100 and nearest 1000?

3. A newspaper reports that about 12 400 people attended a parade.

How is this rounded and what is the range of the precise attendance?

4. There are 12 876 adult tickets and 5621 child tickets sold for a concert.

To the nearest 10 and nearest 100, how many tickets are sold altogether?

5. A shop has 2349 tins of tomatoes in stock. It sells 782 in a week.

To the nearest 10, how many will be left?
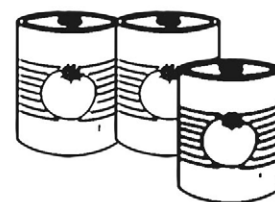
6. An office receives about 35 letters per day.

To the nearest 10, how many letters does it receive in a working week (5 days)?

7. A swimming pool gets about 120 swimmers between Monday and Friday and about 350 swimmers over the weekend. To the nearest 100, how many swimmers does the pool get over the whole week?

8. A lorry driver travels about 370 miles per day for 6 days per week.

To the nearest 100 and 1000, how many miles does the driver travel each week?

Challenge

What happens if you round the numbers in the questions, then calculate the answers?

1) My bike is locked. My combination includes these numbers 526. It is the smallest even number.

What is my combination ? ___ ___ ___

2) My suitcase is locked and I need to get my clothes packed for holiday. The numbers are 892. It is the biggest odd number.

What is my combination ? ___ ___ ___

3) My gate is locked . I know the number begins with a 3, but I can't remember the order of the numbers. The other numbers are 519. It is the biggest number.

What is my combination ? 3 ___ ___ ___

4) My padlock has a combination. It is 4 digits and it is the smallest possible number using 8657.

What is my combination ? ___ ___ ___ ___

5) I need to open my safe for some money. The numbers are 7431. It is the smallest even number.

What is my combination ? ___ ___ ___ ___
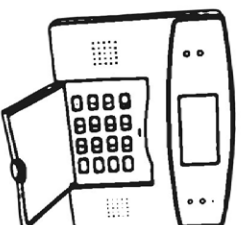
6) My alarm has gone off and I need to key in my code to turn it off. The numbers are 5860. It is the largest odd number.

What is my combination ? ___ ___ ___ ___

Colour by Multiplication

Do the multiplication calculation and colour the shape in the correct colour.

0-10	11-20	21-30	31-40	41-50	51-60	61-70
light blue	purple	pink	yellow	green	orange	dark blue

3 x 3

5 x 5

6 x 8

7 x 4

9 x 3

2 x 6

5 x 8

5 x 3

8 x 7

6 x 9

2 x 2

2 x 7

3 x 3

9 x 2

5 x 2

4 x 3

4 x 9

6 x 3

2 x 6

4 x 4

6 x 6

5 x 7

10 x 2

4 x 9

7 x 7

2 x 6

6 x 8

8 x 8

6 x 6

5 x 3

3 x 3

7 x 3

4 x 7

2 x 6

7 x 8

5 x 8

4 x 4

2 x 8

9 x 2

4 x 3

5 x 6

5 x 9

2 x 4

7 x 3

4 x 5

4 x 6

4 x 8
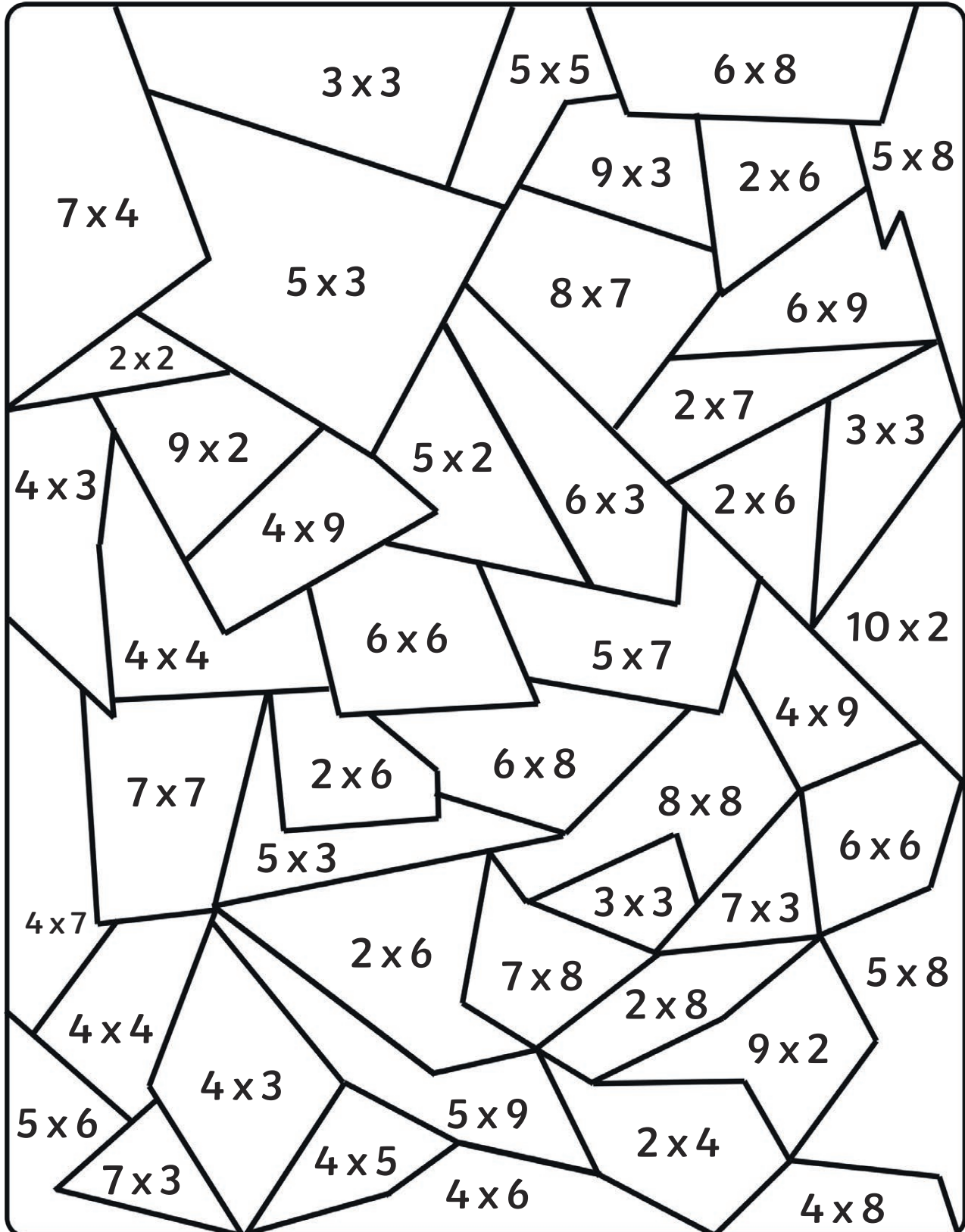
Summertime Colour by Calculations

Use the key to colour the summer-themed picture.

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

(Grid of calculations within the picture:)

12 × 12   8 × 9   9 × 7   9 × 9   11 × 12   11 × 11
12 × 11   11 × 12   63 ÷ 7   11 × 7
7 × 6   8 × 7   11 × 7   12 × 7
6 × 12   108 ÷ 9   11 × 12   9 × 5   11 × 12   11 × 11
110 ÷ 11   12 × 12   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   12 × 0   1 × 0   28 ÷ 7   12 × 3   11 × 3   12 × 2
28 ÷ 7   27 ÷ 9   3 × 9   4 × 9   7 × 3   12 × 3
24 ÷ 12   1 × 5   9 × 3   4 × 9
5 × 12   32 ÷ 8   4 × 7   36 ÷ 9   9 × 3
2 × 12   7 × 4   48 ÷ 12   7 × 5   7 × 3   7 × 3   9 × 4

(Vertical text labels in picture: 12 × 0, 1 × 0, 1 × 5)
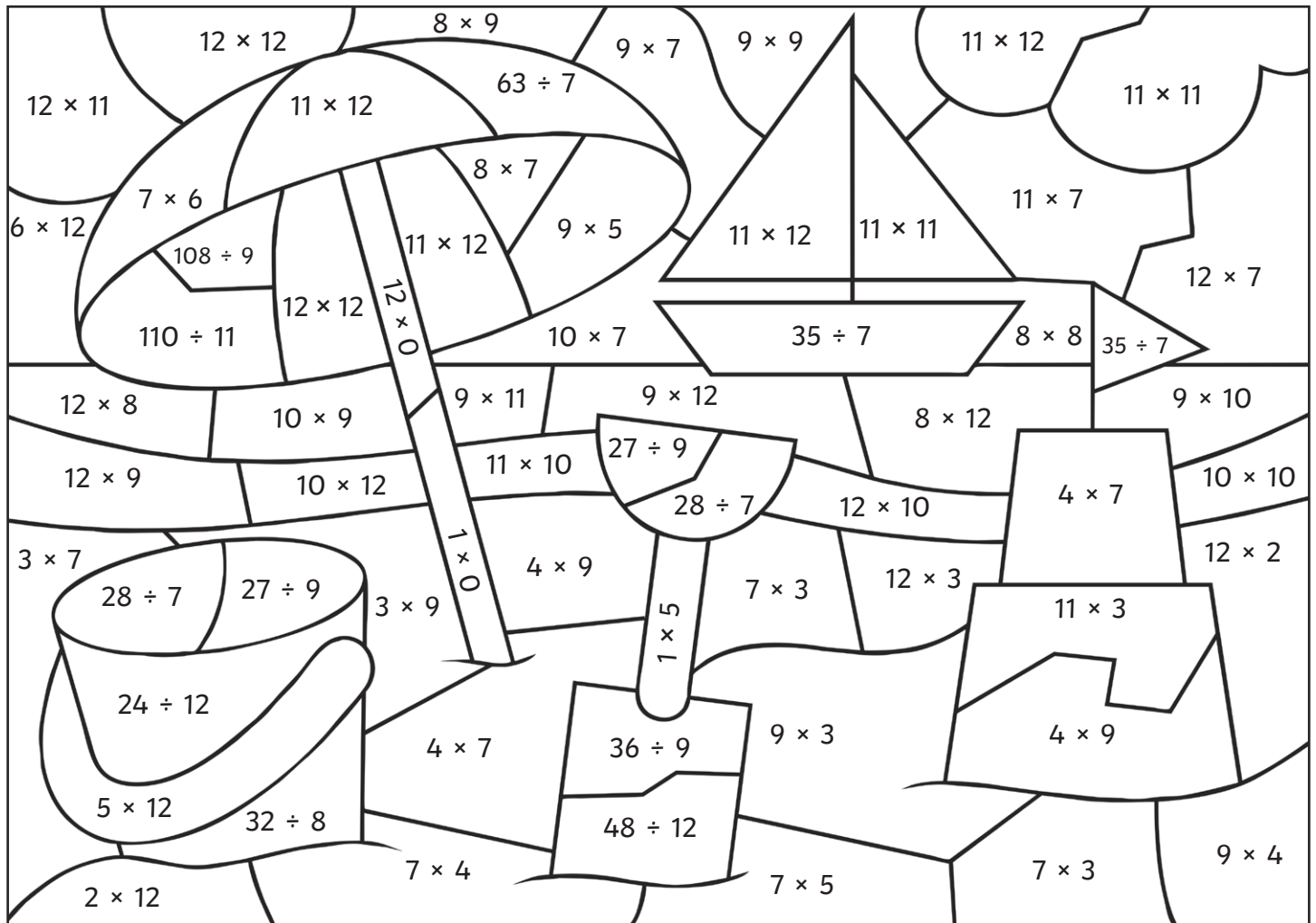
Grey:	Red:	Orange:	Yellow:	Green:	Light Blue:	Dark Blue:	White:
0	1 – 5	6 – 18	19 – 36	37 – 60	61 – 85	86 – 120	121 – 144

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

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.............
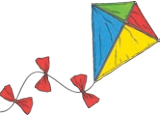
Total ....

Summertime I Spy and Calculations

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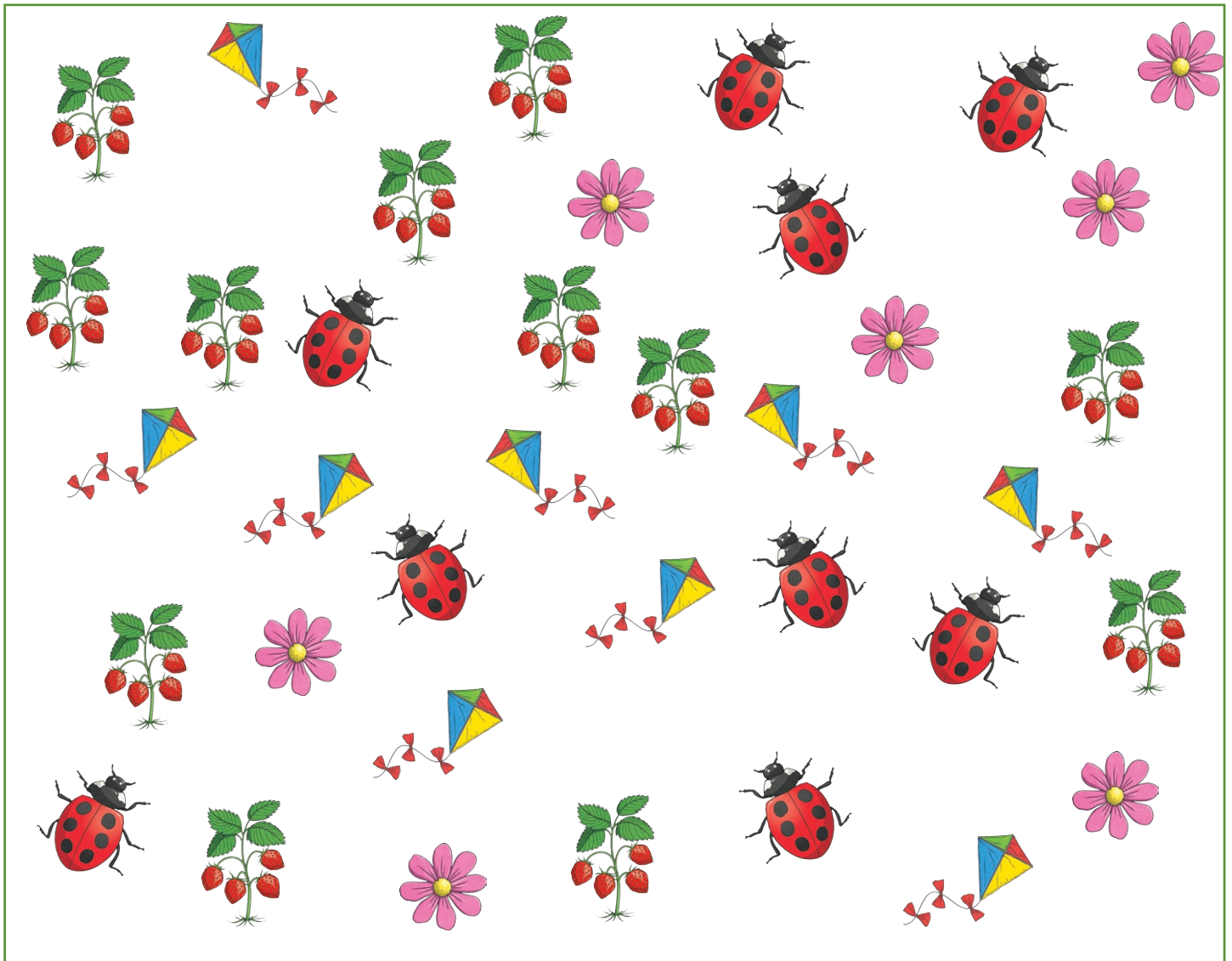
	Number of ladybirds:	Number of spots on each:	Number of spots in total:
	Number of flowers:	Number of petals on each:	Number of petals in total:
	Number of strawberry plants:	Number of strawberries on each:	Number of strawberries in total:
	Number of kites:	Number of bows on each:	Number of bows in total:

Holiday Time!

What time did the children get up?

_____
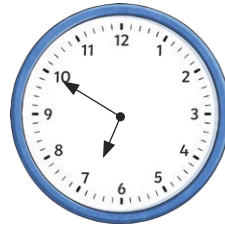
What time did the children set off for the beach?

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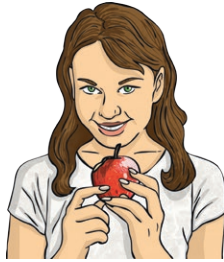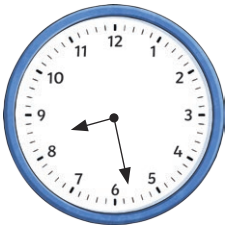
What time did the children stop at the service station for breakfast?

_____

What time did the children arrive at the seaside?

_____
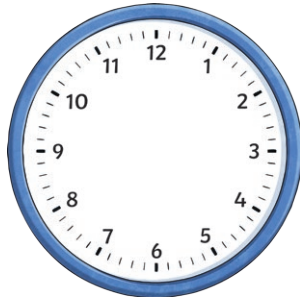
Draw the hands on the clock to show when the children had fish and chips.
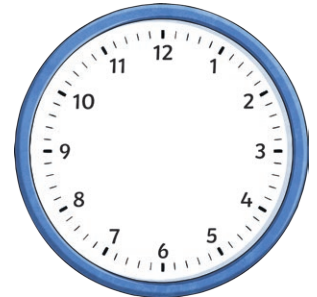
Draw the hands on the clock to show when the children built a sandcastle.
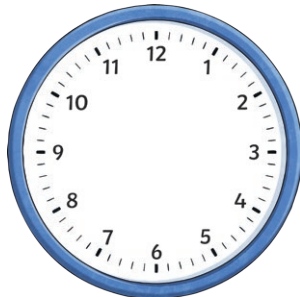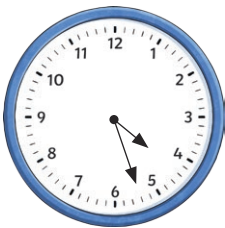
The clock shows when the children went paddling in the sea. They came out of the sea after 45 minutes. Draw the hands on the clock to show when they finished paddling.
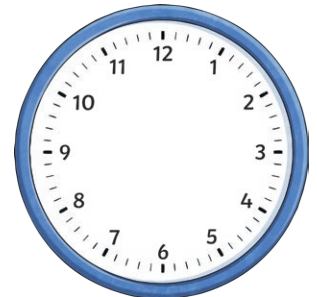
The clock shows when the children began their journey home. It took 2 hours and 25 minutes to get home. Draw the hands on the clock to show when they got home.

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.
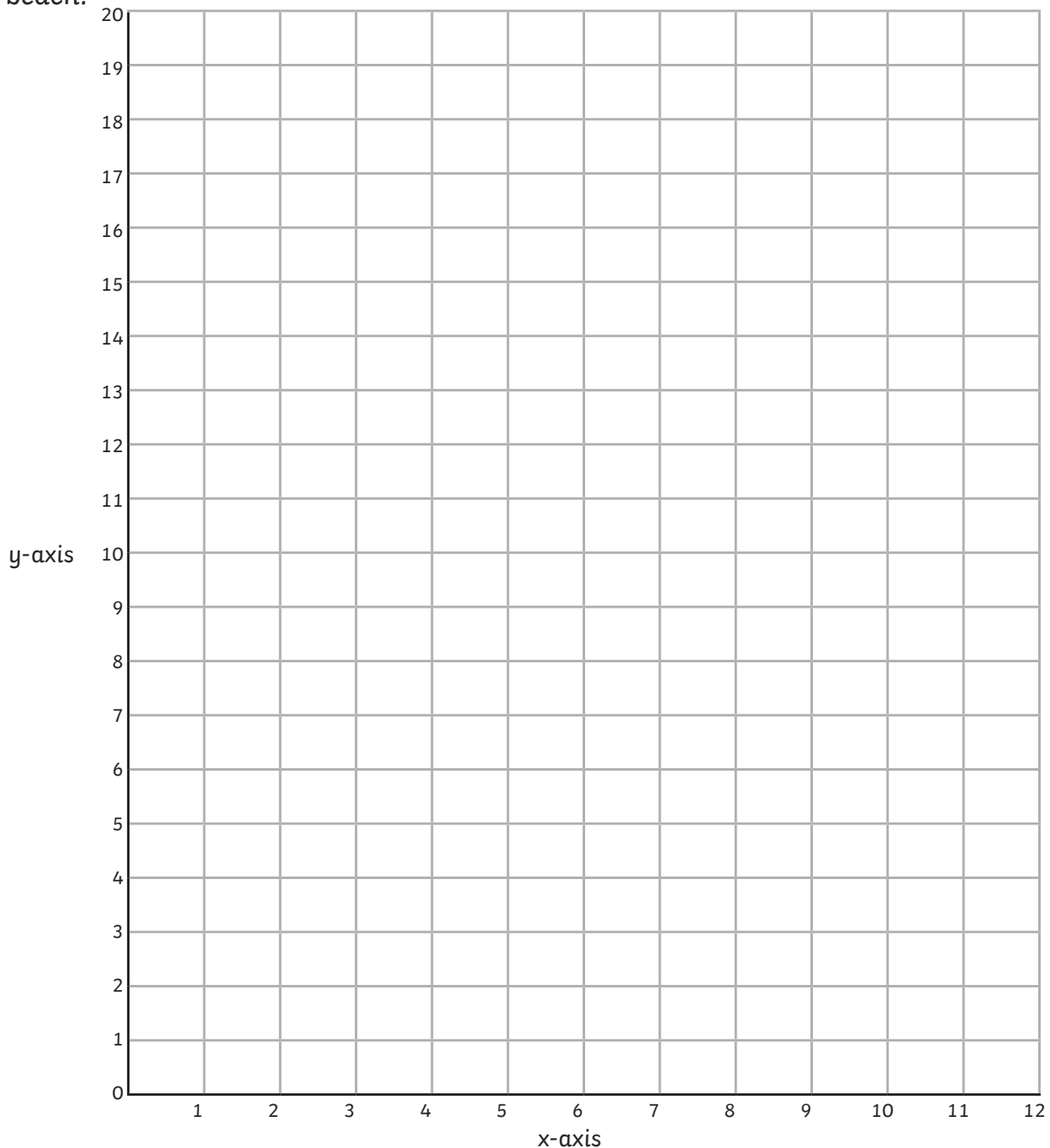
Line 1:	(1, 15)	(6, 19)	(11, 15)	(1, 15)						
Line 2:	(1, 15)	(1, 4)	(11, 4)	(11, 15)						
Line 3:	(4, 4)	(4, 12)	(8, 12)	(8, 4)						
Line 4:	(2, 15)	(2, 4)	(3, 4)	(3,15)						
Line 5:	(9, 15)	(9, 4)	(10, 4)	(10, 15)						
Line 6:	(4, 15)	(4, 12)	(5, 12)	(5, 15)	(6, 15)	(6, 12)	(7, 12)	(7, 15)	(8, 15)	(8, 12)
Line 7:	(6, 18)	(5, 17)	(6, 16)	(7, 17)	(6, 18)					

Tell the Time in 24-Hour Format: Writing the Time

Write the time shown on each clock.
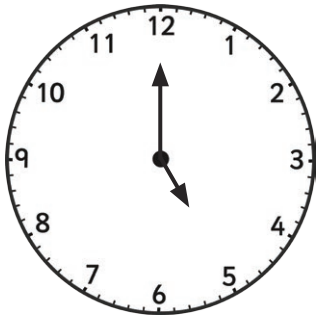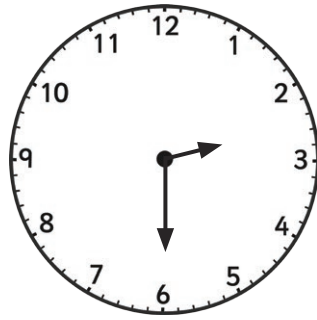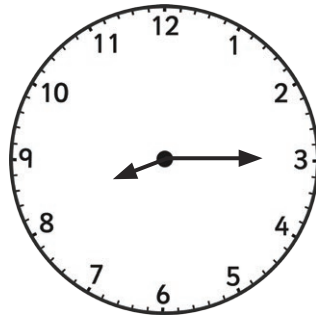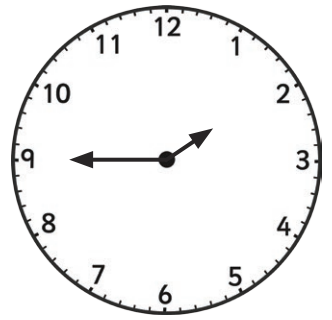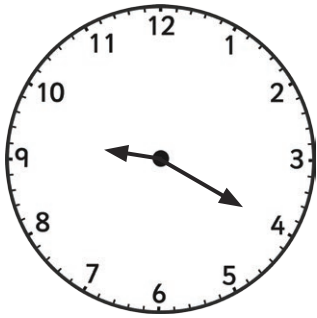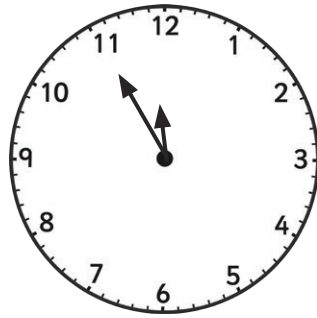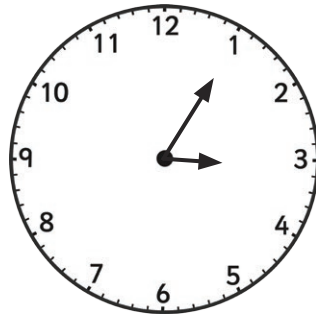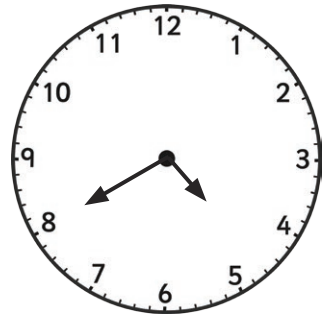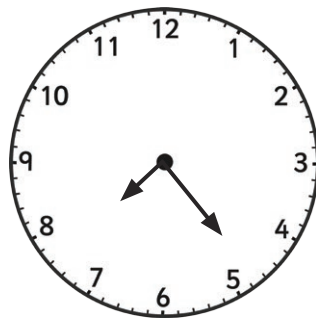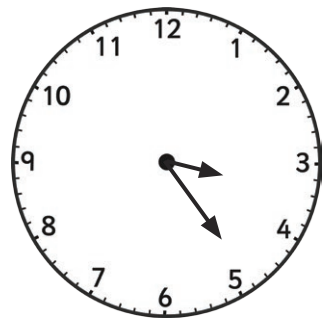
Tell the Time in 24-Hour Format: Drawing the Time

Draw the time on each clock.
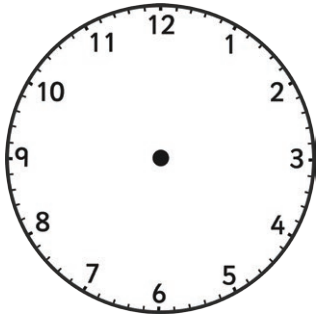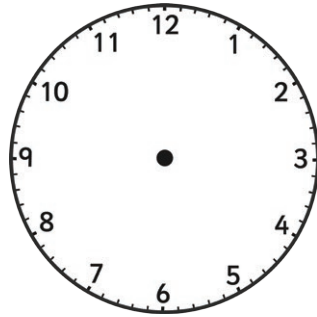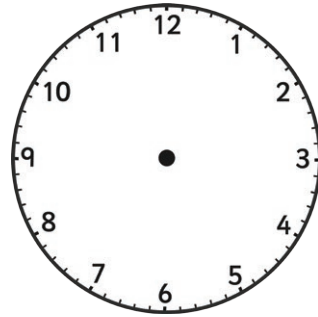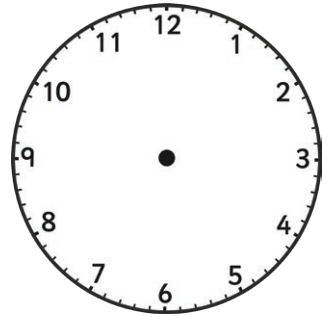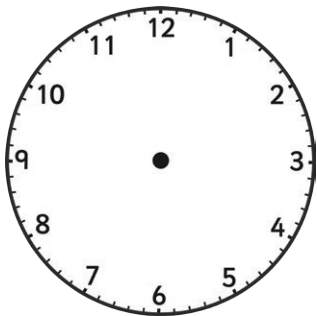
15:00	18:30	23:15	13:45
12:18	17:21	20:43	23:56
12:43	17:44	22:29	14:47
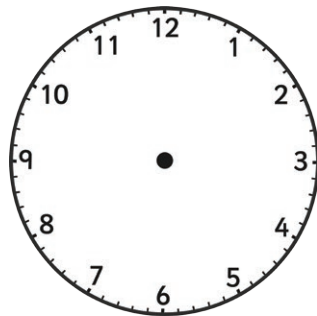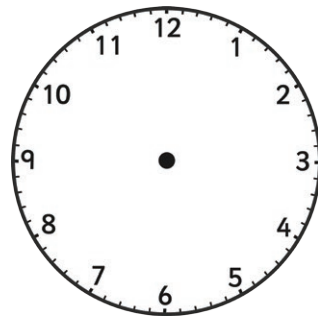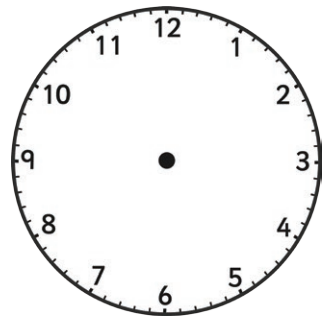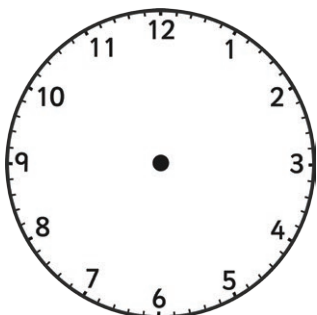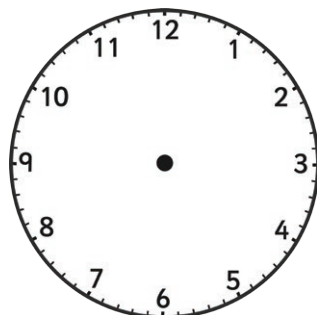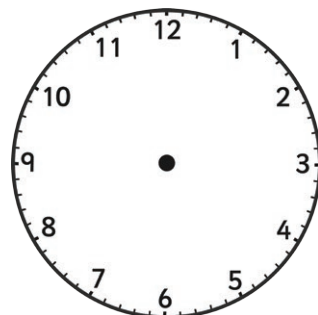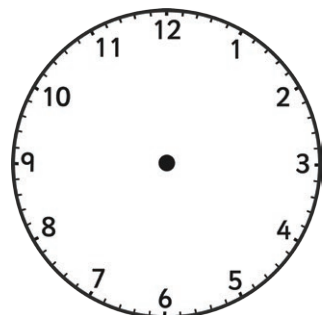
Tell the Time in 24-Hour Format: Writing the Time Before and After

Tell the time on each clock, follow the instruction, and write in 24-hour format.
All the times are between noon and midnight.
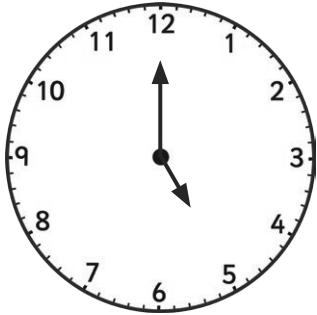
45 minutes before:

_____
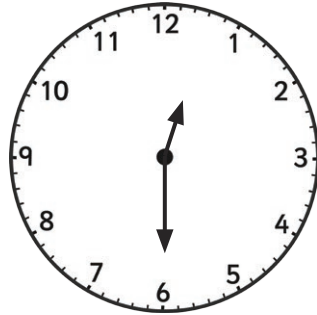
1 hour after:

_____
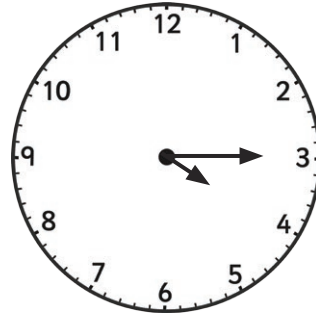
35 minutes before:

_____

an hour and
a half after:

_____
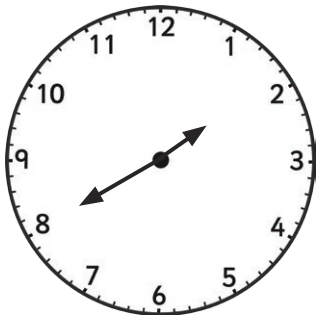
25 minutes before:

_____
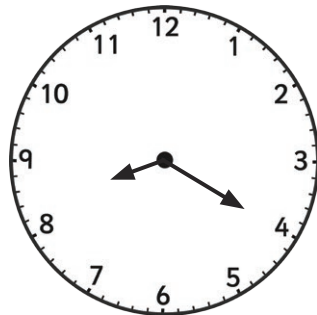
55 minutes after:

_____
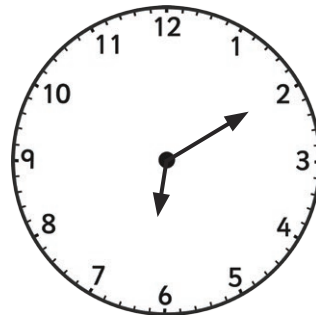
40 minutes before:

_____

an hour and a
quarter after:

_____

19 minutes before:

_____
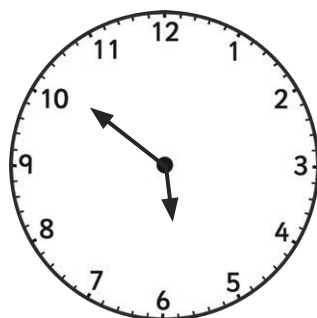
48 minutes after:

_____
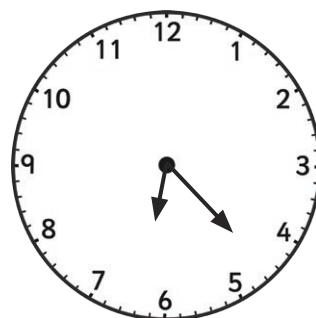
62 minutes before:

_____
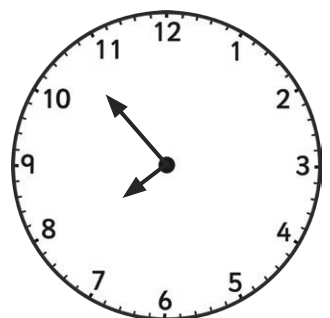
94 minutes after:

_____

Tell the Time in 24-Hour Format:
Drawing the Time Before and After

Draw the time on each clock.
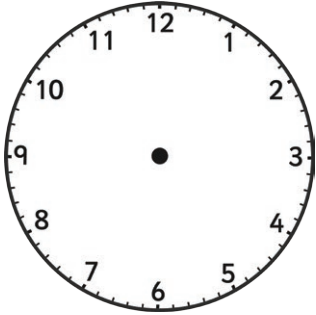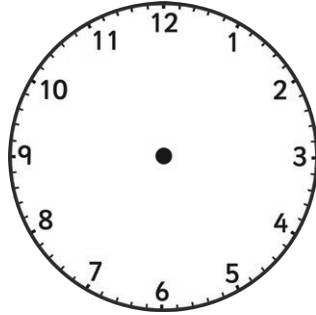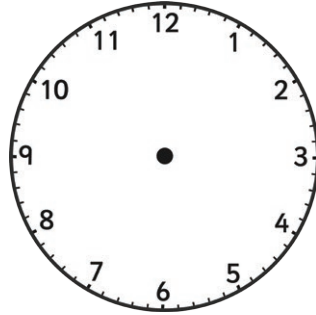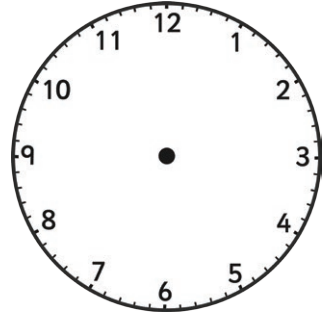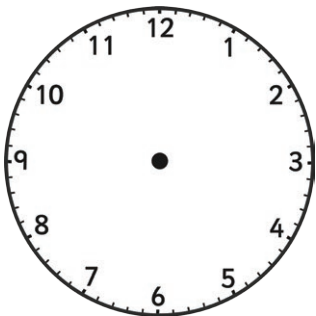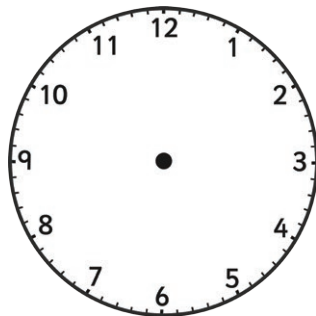
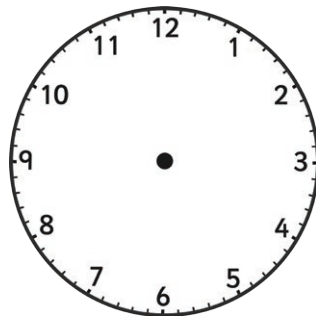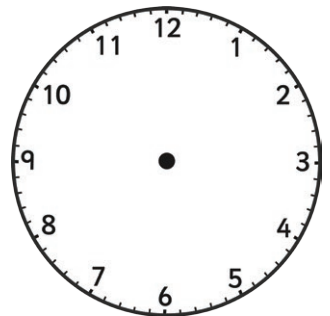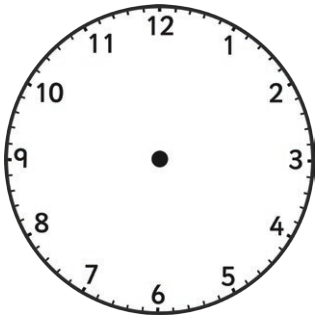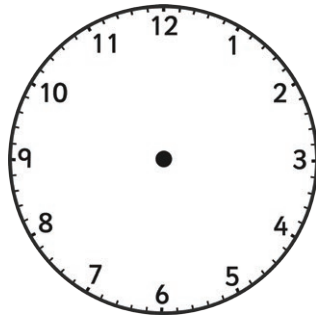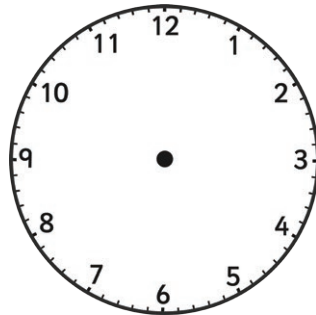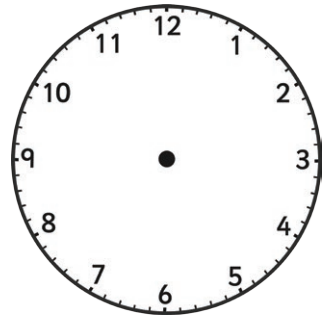|			
1 hour before 14:00	45 minutes after 15:15	15 minutes before 20:10	an hour and a quarter after 19:50
25 minutes before 13:10	50 minutes after 22:35	35 minutes before 16:50	an hour and 50 minutes after 20:25
16 minutes before 12:56	34 minutes after 19:52	69 minutes before 16:23	101 minutes after 18:54