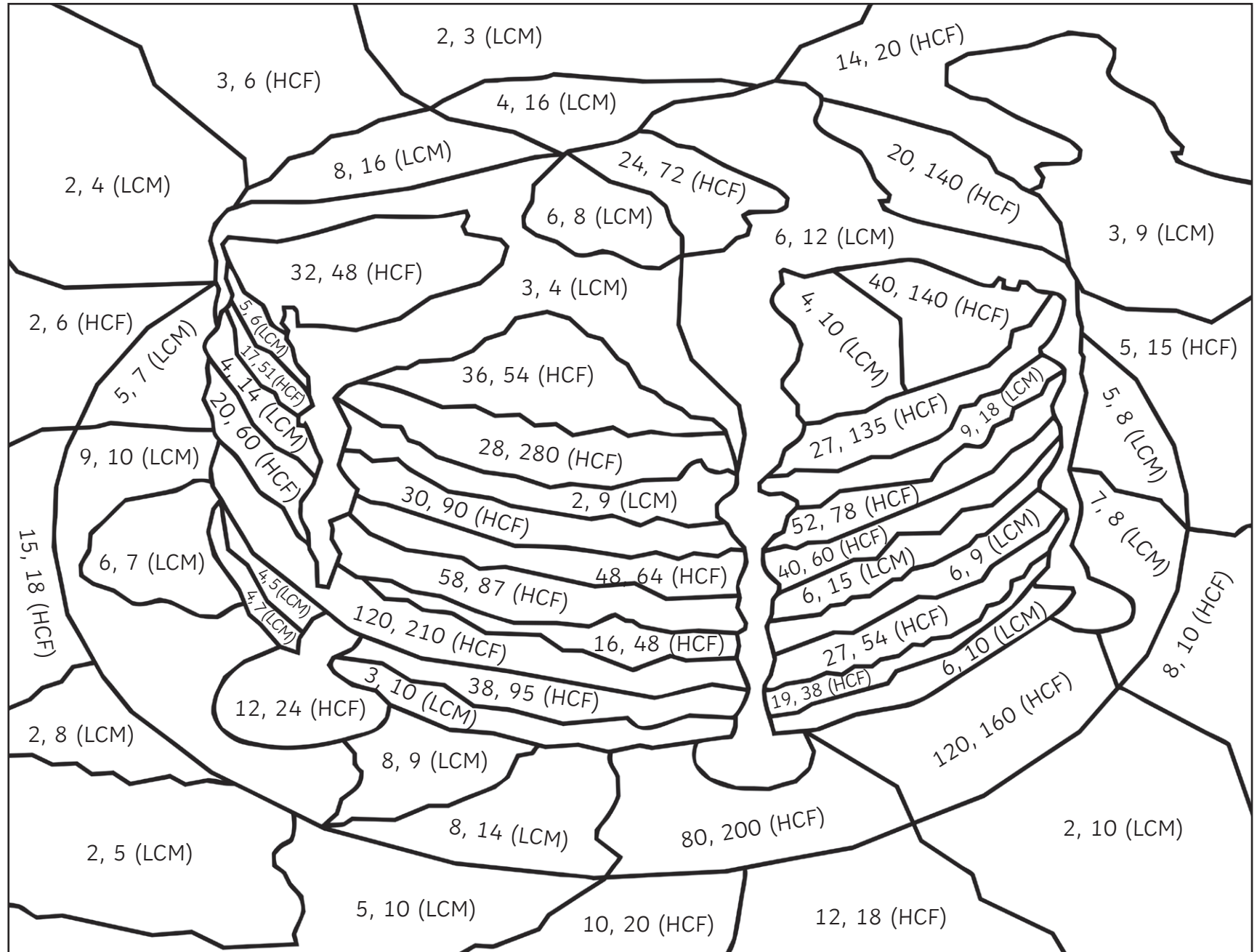# Highest Common Factor and Lowest Common Multiple

Calculate either the highest common factor (HCF) or lowest common multiple (LCM) of each pair of numbers. Then, use the key to shade each section in the correct colour.

For example:

16, 20 (HCF) means that you need to find the highest common factor of 16 and 20.

16, 20 (LCM) means that you need to find the lowest common multiple of 16 and 20.

Light blue	10 or less
Dark orange	11-15
Light brown	16-20
Yellow	21-25
Cream	26-30
White	More than 30

2, 3 (LCM)

3, 6 (HCF)

14, 20 (HCF)

4, 16 (LCM)

8, 16 (LCM)

24, 72 (HCF)

20, 140 (HCF)

2, 4 (LCM)

6, 8 (LCM)

6, 12 (LCM)

3, 9 (LCM)

32, 48 (HCF)

40, 140 (HCF)

3, 4 (LCM)

2, 6 (HCF)

5, 6 (LCM)

4, 10 (LCM)

5, 15 (HCF)

5, 7 (LCM)

17, 51 (HCF)

36, 54 (HCF)

27, 135 (HCF)

9, 18 (LCM)

5, 8 (LCM)

4, 14 (LCM)

20, 60 (HCF)

28, 280 (HCF)

7, 8 (LCM)

9, 10 (LCM)

2, 9 (LCM)

52, 78 (HCF)

30, 90 (HCF)

40, 60 (HCF)

6, 9 (LCM)

6, 7 (LCM)

4, 5 (LCM)

58, 87 (HCF)

48, 64 (HCF)

6, 15 (LCM)

6, 10 (LCM)

15, 18 (HCF)

4, 7 (LCM)

120, 210 (HCF)

16, 48 (HCF)

27, 54 (HCF)

8, 10 (HCF)

3, 10 (LCM)

38, 95 (HCF)

19, 38 (HCF)

12, 24 (HCF)

2, 8 (LCM)

8, 9 (LCM)

80, 200 (HCF)

120, 160 (HCF)

2, 10 (LCM)

8, 14 (LCM)

2, 5 (LCM)

5, 10 (LCM)

10, 20 (HCF)

12, 18 (HCF)

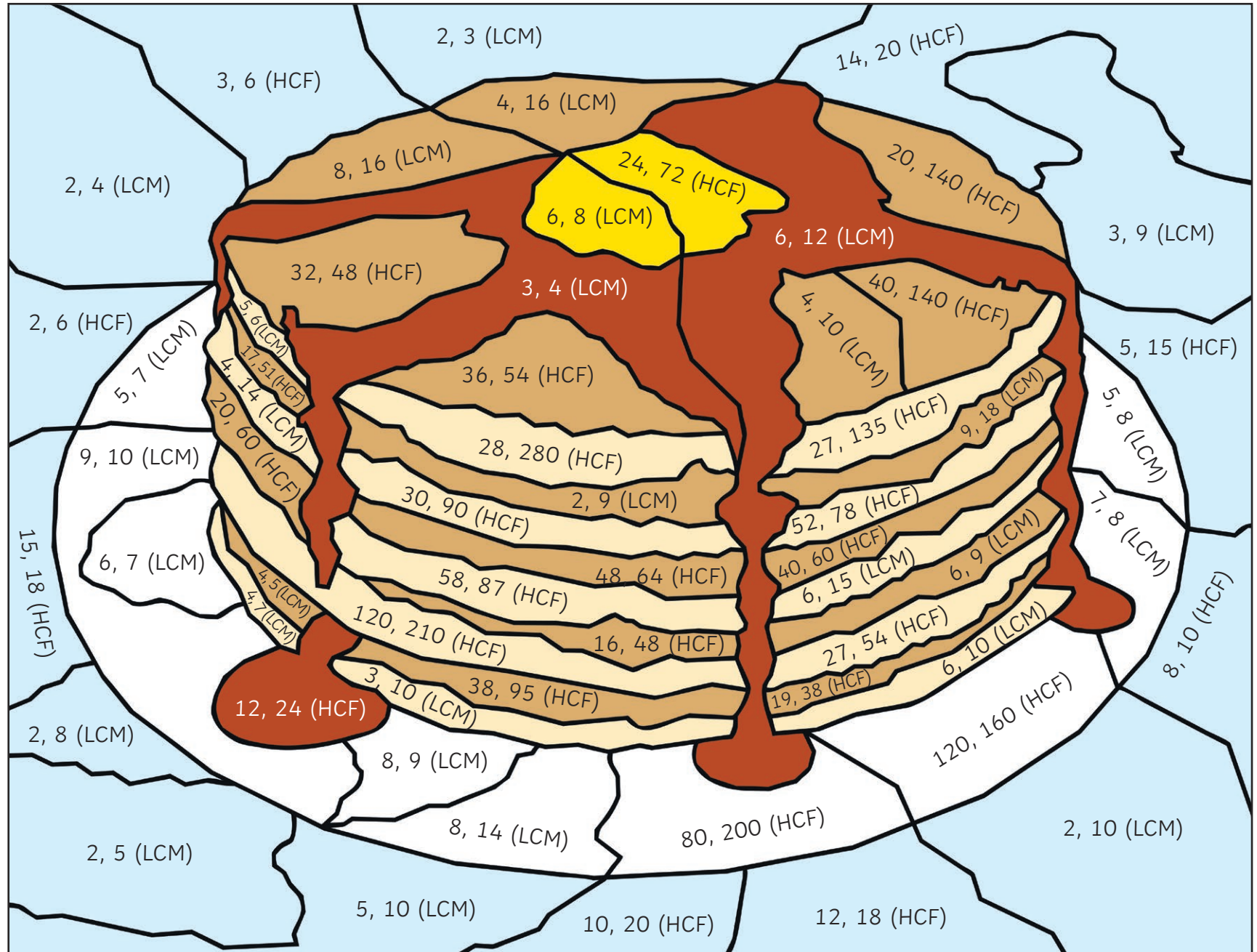# Highest Common Factor and Lowest Common Multiple

Calculate either the highest common factor (HCF) or lowest common multiple (LCM) of each pair of numbers. Then, use the key to shade each section in the correct colour.

For example:

16, 20 (HCF) means that you need to find the highest common factor of 16 and 20.

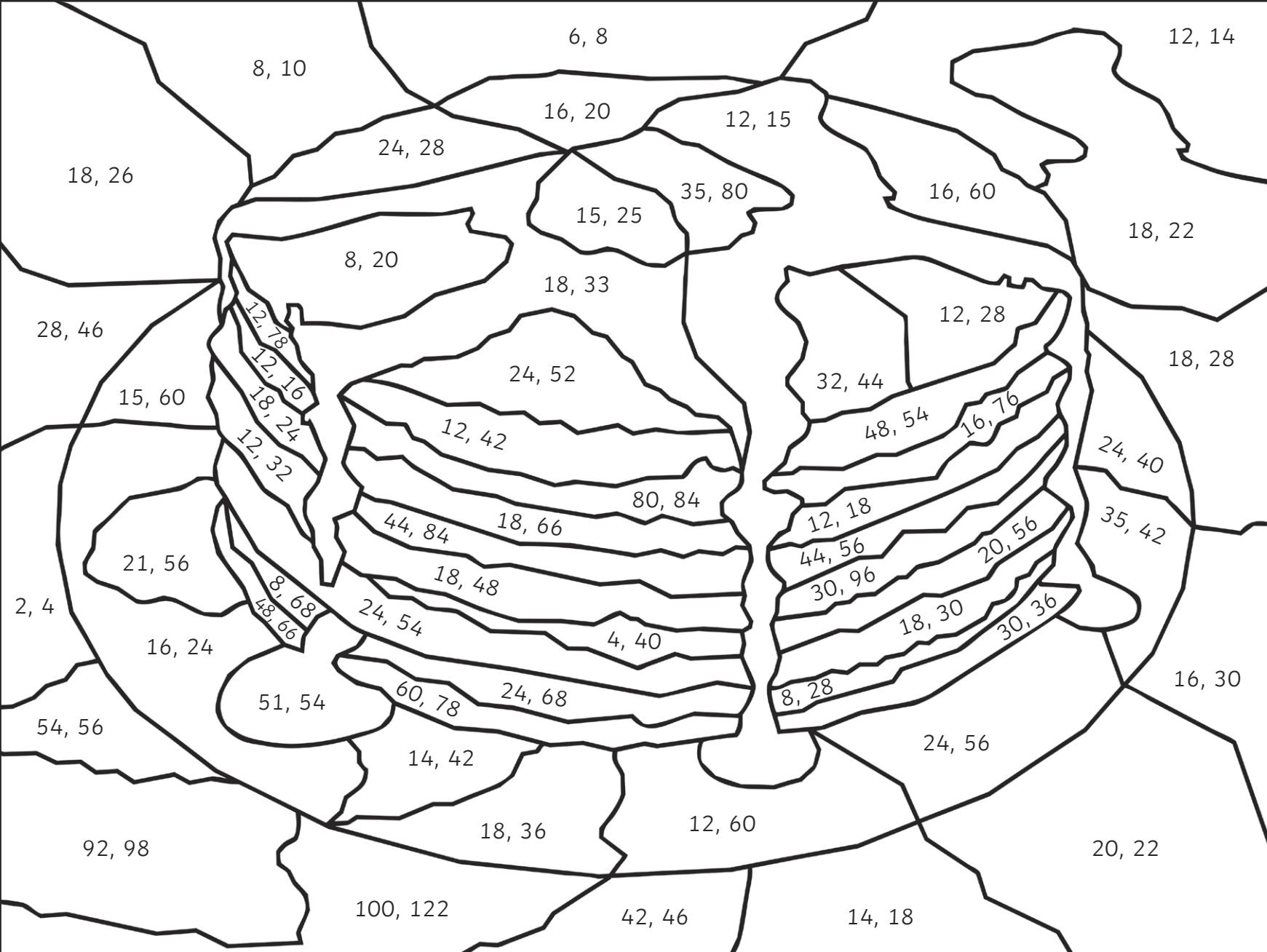16, 20 (LCM) means that you need to find the lowest common multiple of 16 and 20.

Light blue	10 or less
Dark orange	11-15
Light brown	16-20
Yellow	21-25
Cream	26-30
White	More than 30

2, 3 (LCM)

3, 6 (HCF)

14, 20 (HCF)

4, 16 (LCM)

8, 16 (LCM)

24, 72 (HCF)

20, 140 (HCF)

2, 4 (LCM)

6, 8 (LCM)

6, 12 (LCM)

3, 9 (LCM)

32, 48 (HCF)

3, 4 (LCM)

40, 140 (HCF)

4, 10 (LCM)

5, 15 (HCF)

2, 6 (HCF)

5, 6 (LCM)

17, 51 (HCF)

36, 54 (HCF)

5, 8 (LCM)

5, 7 (LCM)

4, 14 (LCM)

20, 60 (HCF)

28, 280 (HCF)

27, 135 (HCF)

9, 18 (LCM)

9, 10 (LCM)

30, 90 (HCF)

2, 9 (LCM)

52, 78 (HCF)

7, 8 (LCM)

6, 7 (LCM)

58, 87 (HCF)

48, 64 (HCF)

40, 60 (HCF)

6, 15 (LCM)

6, 9 (LCM)

15, 18 (HCF)

4, 5 (LCM)

120, 210 (HCF)

16, 48 (HCF)

27, 54 (HCF)

6, 10 (LCM)

8, 10 (HCF)

4, 7 (LCM)

12, 24 (HCF)

3, 10 (LCM)

38, 95 (HCF)

19, 38 (HCF)

2, 8 (LCM)

8, 9 (LCM)

120, 160 (HCF)

2, 5 (LCM)

8, 14 (LCM)

80, 200 (HCF)

2, 10 (LCM)

5, 10 (LCM)

10, 20 (HCF)

12, 18 (HCF)

Highest Common Factor

Calculate the highest common factor of each pair of numbers. Then, use the key to shade each section in the correct colour.
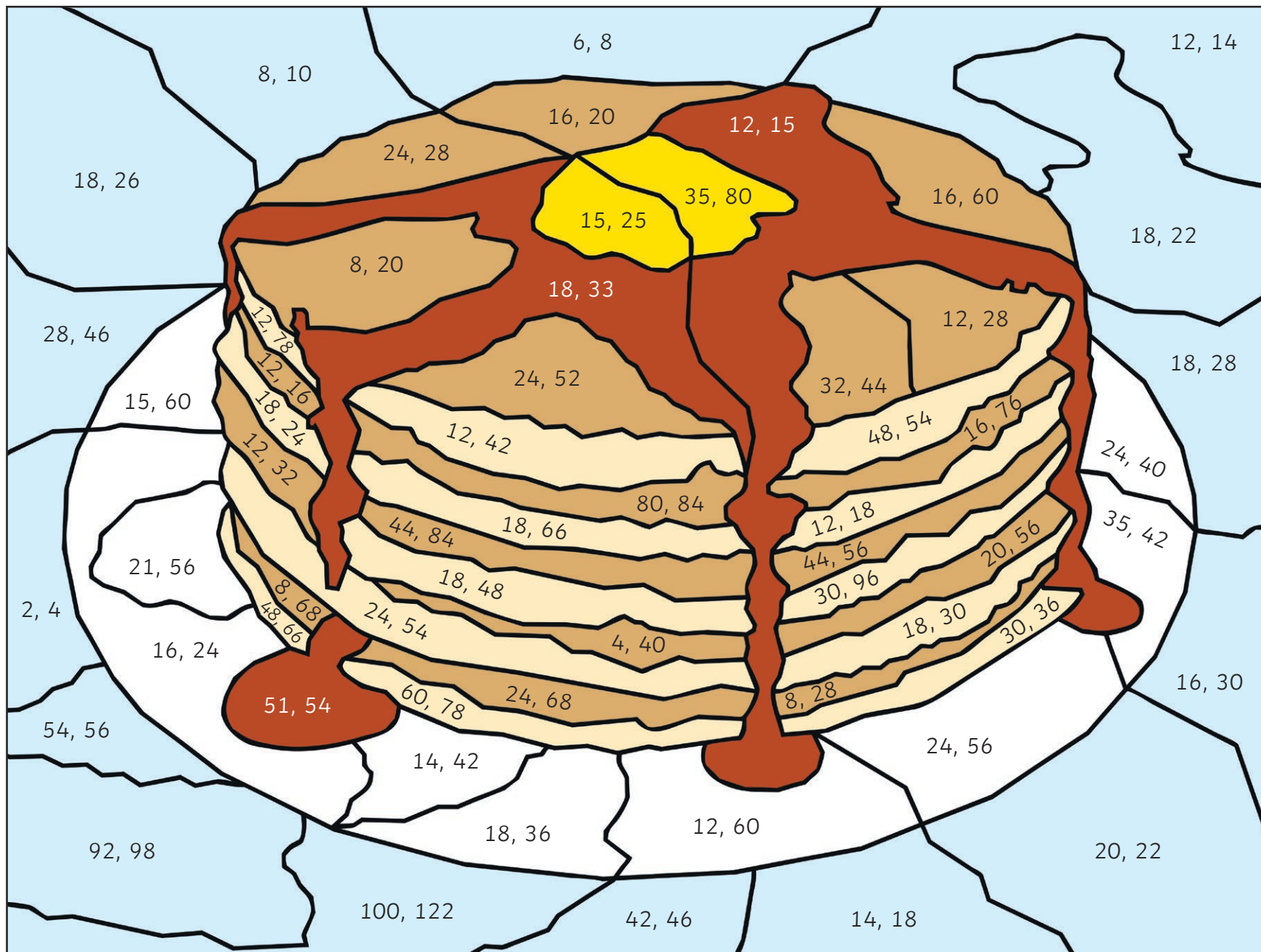
Light blue	2
Dark orange	3
Light brown	4
Yellow	5
Cream	6
White	7 or higher

6, 8

8, 10

12, 14

16, 20

12, 15

24, 28

18, 26

35, 80

16, 60

15, 25

18, 22

8, 20

18, 33

12, 28

28, 46

12, 78

12, 16

18, 24

24, 52

32, 44

18, 28

15, 60

12, 32

12, 42

48, 54

16, 76

24, 40

80, 84

12, 18

35, 42

21, 56

44, 84

18, 66

44, 56

20, 56

18, 48

30, 96

2, 4

8, 68

24, 54

4, 40

18, 30

30, 36

16, 24

48, 66

8, 28

51, 54

60, 78

24, 68

16, 30

54, 56

14, 42

24, 56

18, 36

12, 60

20, 22

92, 98

100, 122

42, 46

14, 18

Highest Common Factor

Answers

Calculate the highest common factor of each pair of numbers. Then, use the key to shade each section in the correct colour.
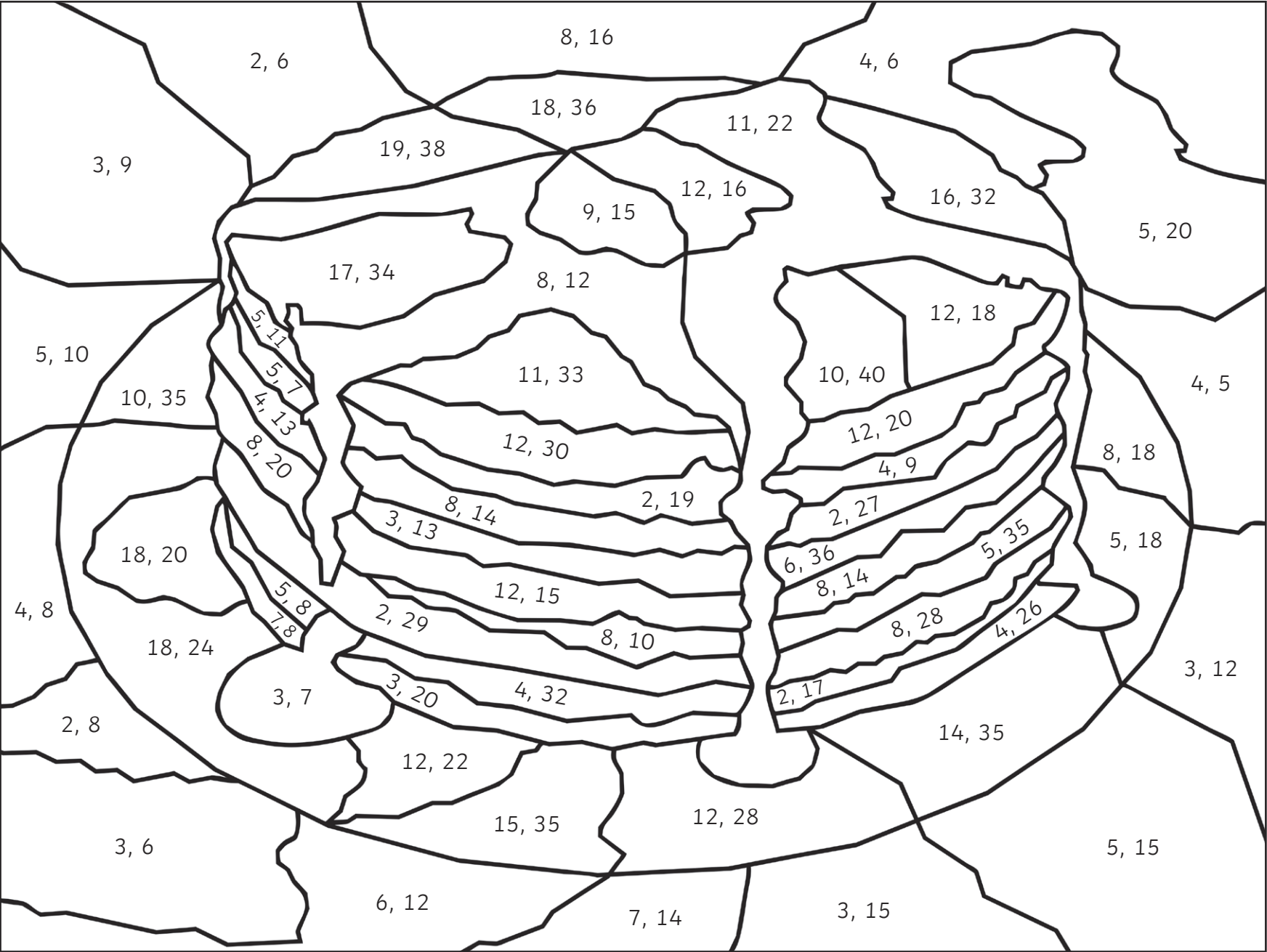
Light blue	2
Dark orange	3
Light brown	4
Yellow	5
Cream	6
White	7 or higher

6, 8

12, 14

8, 10

16, 20

12, 15

24, 28

18, 26

35, 80

15, 25

16, 60

18, 22

8, 20

18, 33

28, 46

12, 78

12, 28

18, 28

12, 16

32, 44

18, 24

24, 52

15, 60

12, 32

12, 42

48, 54

16, 76

24, 40

80, 84

12, 18

35, 42

2, 4

44, 84

18, 66

44, 56

20, 56

21, 56

18, 48

30, 96

8, 68

24, 54

18, 30

30, 36

16, 24

4, 40

8, 28

51, 54

60, 78

24, 68

48, 66

16, 30

54, 56

14, 42

24, 56

18, 36

12, 60

92, 98

20, 22

100, 122

42, 46

14, 18

Lowest Common Multiple

Calculate the lowest common multiple of each pair of numbers. Then, use the key to shade each section in the correct colour.

Light blue	20 or less
Dark orange	21-30
Light brown	31-40
Yellow	41-50
Cream	51-60
White	More than 60

2, 6

8, 16

4, 6

3, 9

18, 36

19, 38

11, 22

12, 16

16, 32

9, 15

5, 20

17, 34

8, 12

12, 18

5, 11

5, 10

5, 7

11, 33

10, 40

4, 5

4, 13

10, 35

12, 20

8, 20

12, 30

4, 9

8, 18

2, 19

2, 27

8, 14

3, 13

6, 36

5, 18

18, 20

12, 15

5, 35

8, 14

5, 8

2, 29

8, 10

8, 28

4, 26

7, 8

18, 24

3, 7

3, 20

4, 32

2, 17

3, 12

2, 8

14, 35

12, 22

15, 35

12, 28

5, 15

3, 6

6, 12

7, 14

3, 15

Lowest Common Multiple

Answers

Calculate the lowest common multiple of each pair of numbers. Then, use the key to shade each section in the correct colour.

Light blue	20 or less
Dark orange	21-30
Light brown	31-40
Yellow	41-50
Cream	51-60
White	More than 60

8, 16

2, 6

4, 6

18, 36

11, 22

3, 9

19, 38

12, 16

9, 15

16, 32

5, 20

17, 34

8, 12

5, 10

12, 18

5, 11

5, 7

10, 40

4, 5

4, 13

11, 33

12, 20

10, 35

8, 20

12, 30

4, 9

8, 18

2, 19

2, 27

8, 14

3, 13

5, 35

5, 18

18, 20

6, 36

8, 14

5, 8

12, 15

8, 28

4, 26

4, 8

7, 8

2, 29

8, 10

2, 17

3, 12

18, 24

3, 7

3, 20

4, 32

14, 35

2, 8

12, 22

12, 28

3, 6

15, 35

5, 15

6, 12

7, 14

3, 15