Common Factors
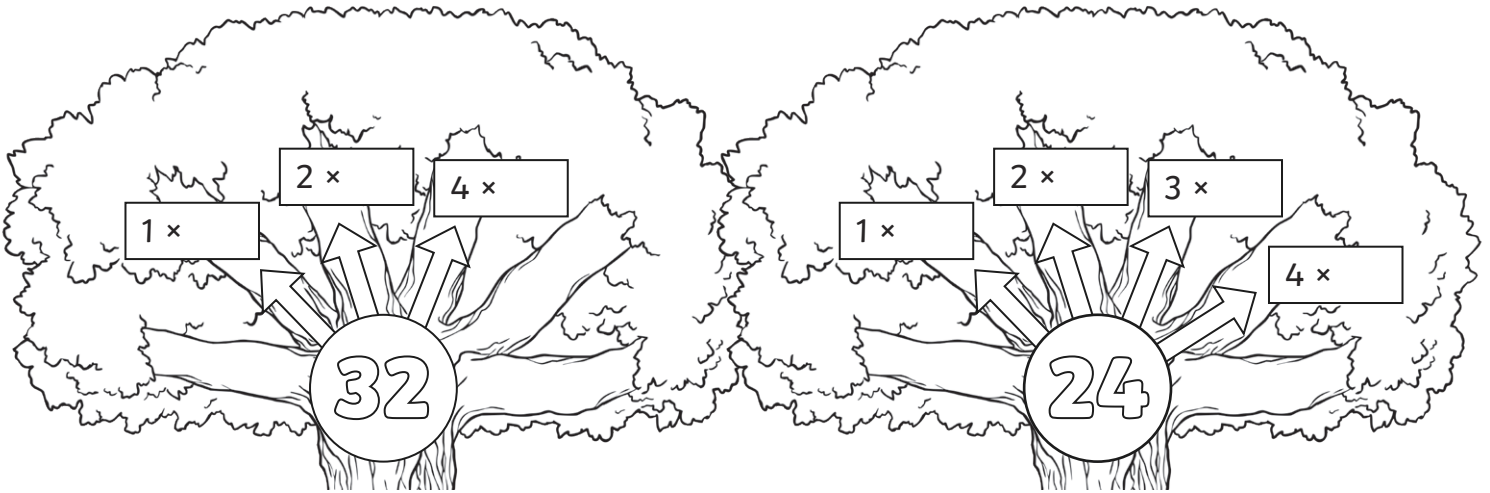
I can find the common factors of two numbers.

1) Complete these factor trees and circle the common factors.

2 ×
1 ×
4 ×
32

2 ×
1 ×
3 ×
4 ×
24

2) Now, draw your own factor trees for these numbers and find the common factors.

a) 45 and 20.

45   20

b) 42 and 28.

42   28

c) 16 and 48.

16   48

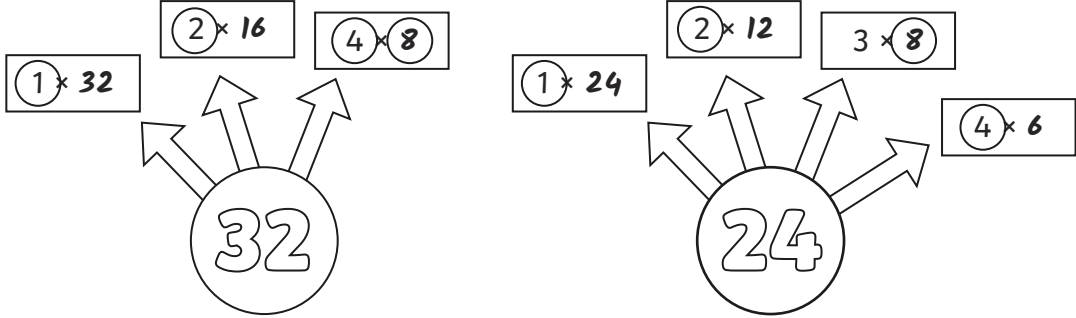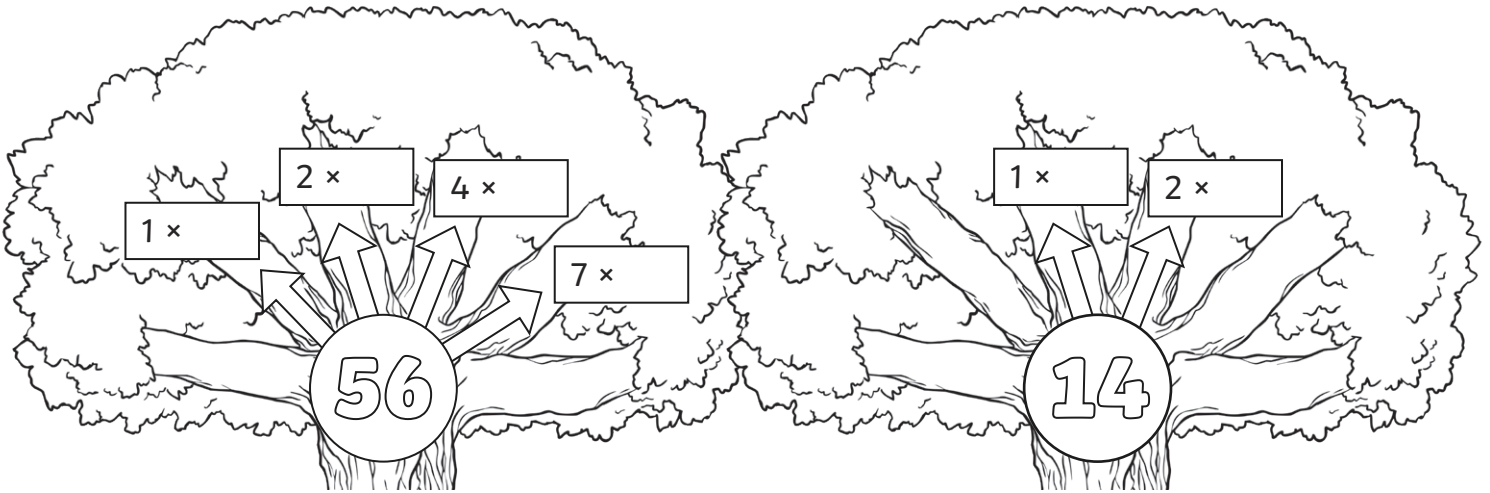3) Which of these numbers is not a common factor of 60 and 30?

15   7   10

5   2

30   6

Common Factors **Answers**

Question	Answer
1.	Complete these factor trees and circle the common factors.

2.	Now, draw your own factor trees for these numbers and find the common factors.
a	45 and 20: **1, 5**
b	42 and 28: **1, 2, 7**
c	16 and 48: **1, 2, 4, 8, 16**
3.	Which of these numbers is not a common factor of 60 and 30?
	15, 30, **7**, 5, 6, 10, 2

Common Factors

I can find the common factors of two numbers.

1) Complete these factor trees and circle the common factors.

1 ×

2 ×   4 ×

7 ×

56

1 ×   2 ×

14

2) Now, draw your own factor trees for these numbers and find the common factors.
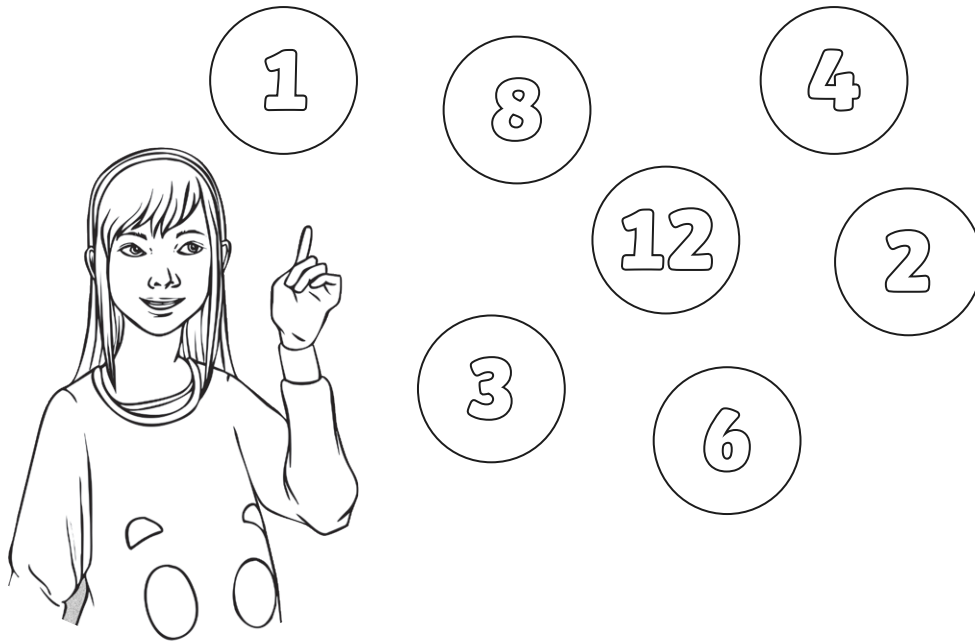
a) 84 and 21.

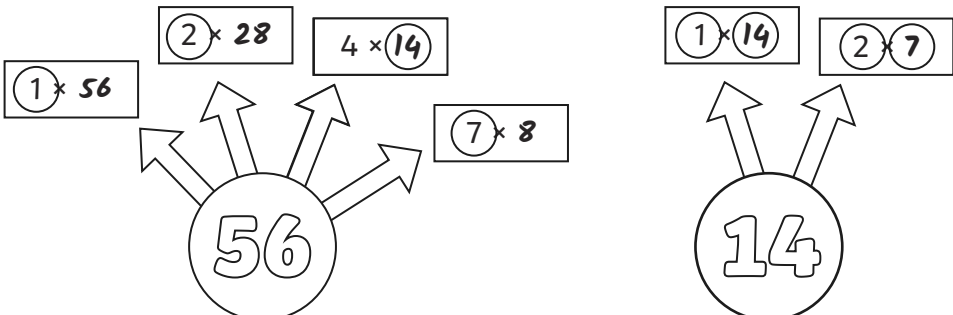84   21

b) 64 and 32.

64   32

c) 96 and 48.

96   48

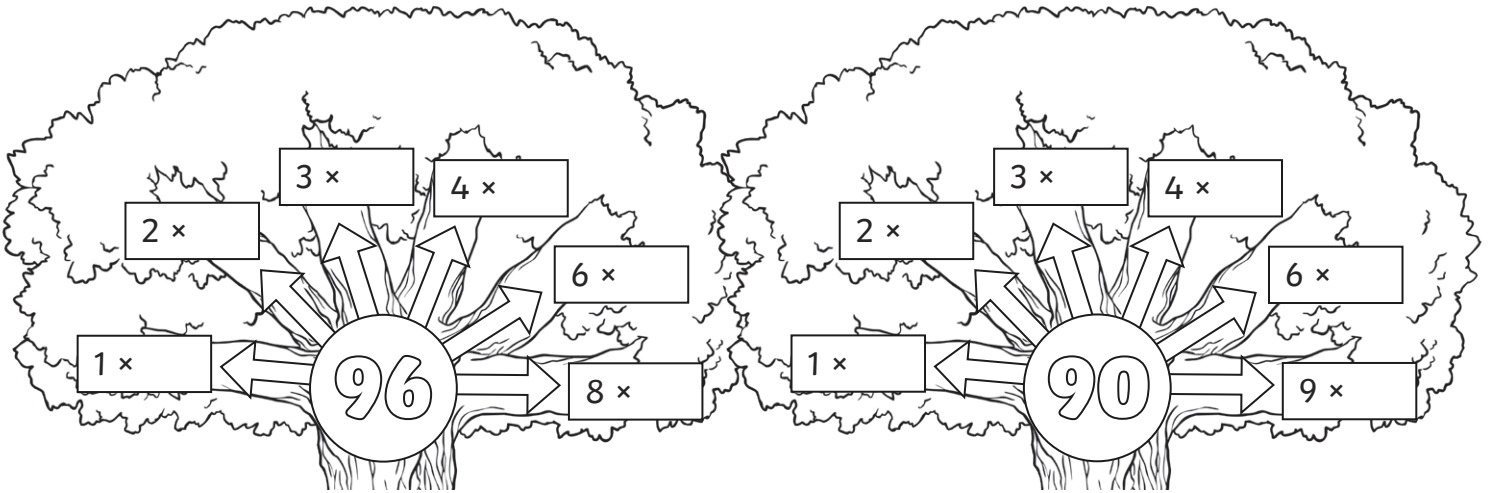3) Which of these numbers is not a common factor of 72 and 36?

1

8

4

12

2

3

6

Common Factors **Answers**

Question	Answer
1.	Complete these factor trees and circle the common factors.
2.	Now, draw your own factor trees for these numbers and find the common factors.
a	84 and 21: **1, 21, 3, 7**
b	64 and 32: **1, 32, 2, 16, 4, 8**
c	96 and 48: **1, 48, 2, 24, 3, 16, 4, 12, 6, 8**
3.	Which of these numbers is not a common factor of 72 and 36?
	1, 2, 3, 4, 6, **8**, 12

Common Factors

I can find the common factors of two numbers.

1) Complete these factor trees and circle the common factors.

2 ×
3 ×
4 ×
1 ×
6 ×
96
8 ×

2 ×
3 ×
4 ×
1 ×
6 ×
90
9 ×

2) Now, draw your own factor trees for these numbers and find the common factors.

a) 144 and 24.

144

24

b) 108 and 36.

108

36

c) 120 and 48.

120

48

3) Which of these numbers is not a common factor of 72 and 144?

1   8   4

7   2

3   6

Common Factors **Answers**

Question	Answer
1.	Complete these factor trees and circle the common factors.

2.	Now, draw your own factor trees for these numbers and find the common factors.
a	144 and 24: **1, 2, 3, 4, 6, 8, 12, 24**
b	108 and 36: **1, 2, 3, 4, 6, 9, 12, 18, 36**
c	120 and 48: **1, 2, 3, 4, 6, 8, 12, 24**
3.	Which of these numbers is not a common factor of 72 and 144?
	1, 2, 3, 4, 6, **7**, 8

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