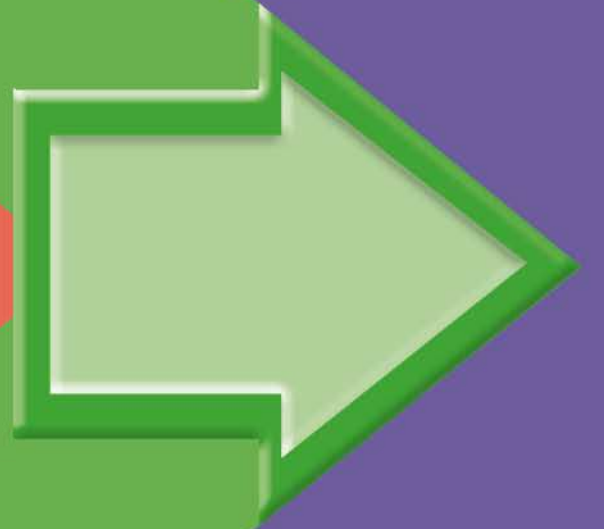
# COMMON MULTIPLES



White Rose Maths

# GET READY

White Rose Maths

1) Complete the sequence:

7, 14, ___, ___, 35, 42, ____

2) Complete the sequence:

___, 12, ___, 24, 30, ___

3) Complete the sequence:

___, 9, 18, ___, 36, ____

4) Complete the sequence:

4, ___, 12, ___, 16, ___

1) Complete the sequence:

7, 14, 21, 28, 35, 42, 49

2) Complete the sequence:

6, 12, 18, 24, 30, 36

3) Complete the sequence:

0, 9, 18, 27, 36, 45

4) Complete the sequence:

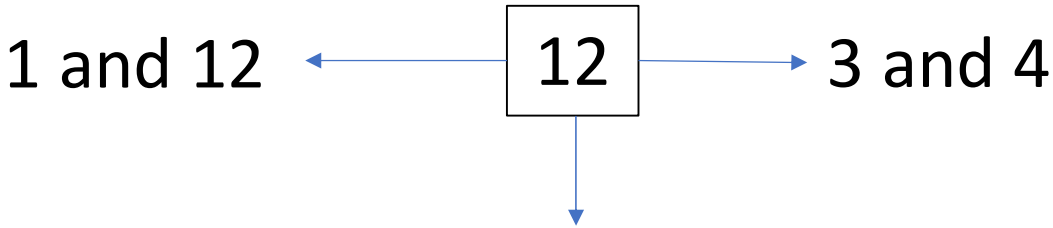
4, 8, 12, 16, 20, 24

# LET'S LEARN

White Rose Maths

# Multiples and factors

Factors of 12




12 is a multiple of 1, 2, 3, 4, 6, 12

# Find all the multiples of 5 on the number square

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

# Find all the multiples of 6 on the number square

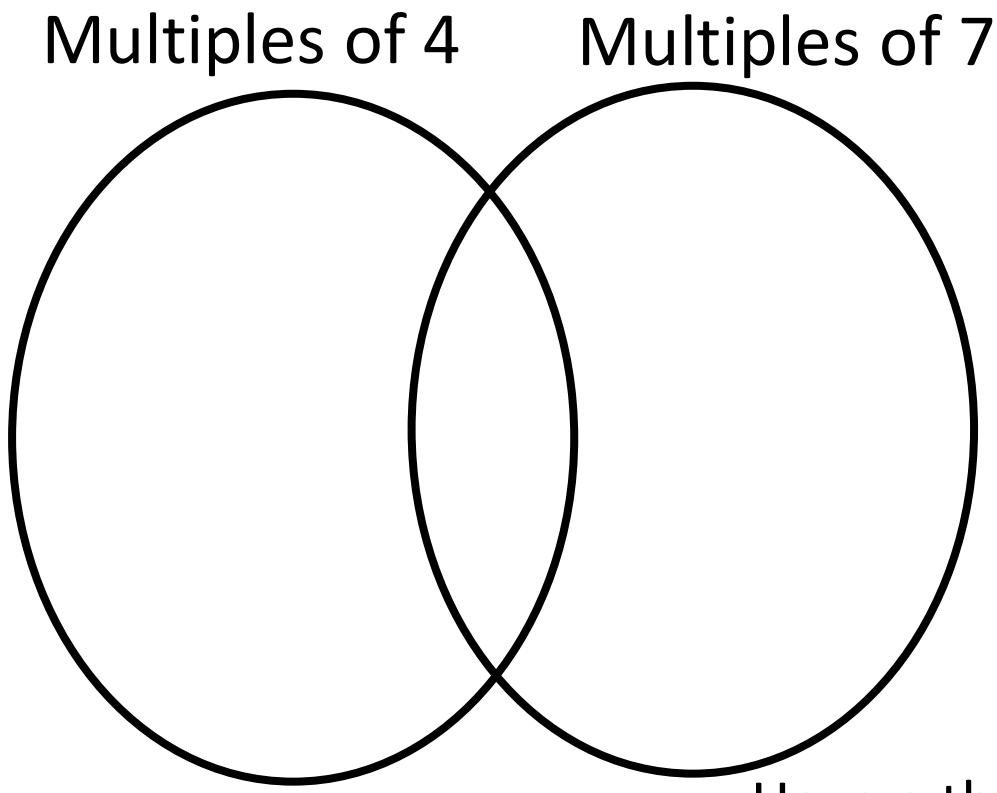
30
60
90
120

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Find all the common multiples of 5 and 6

# Complete the sorting diagram

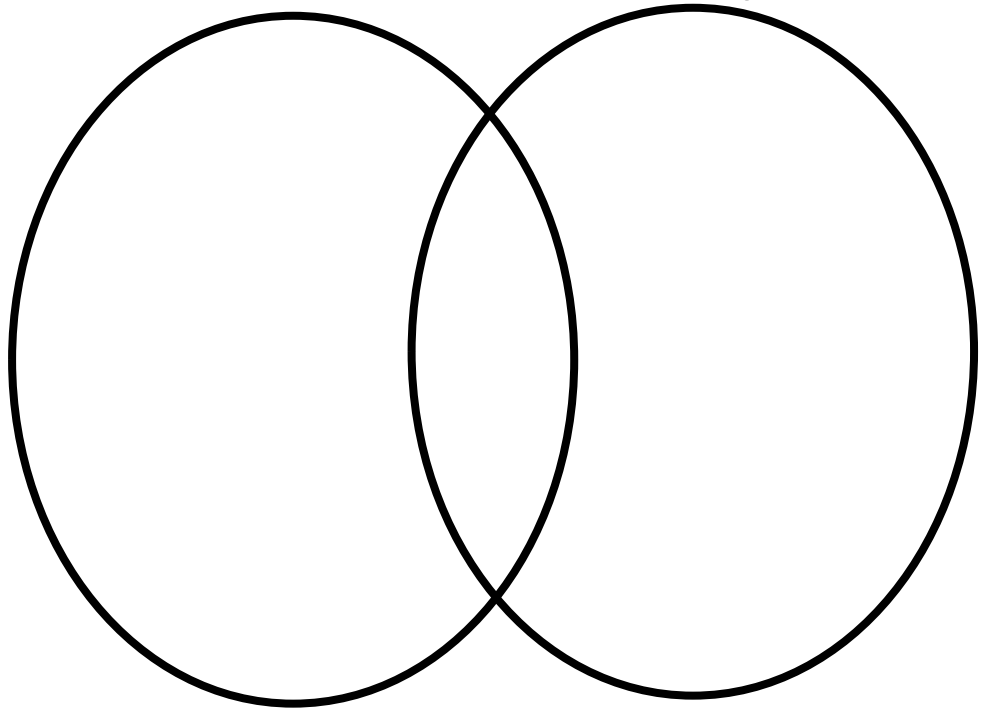
12 35 28 70 56 20




Have a think

Complete the sorting diagram

12 35 28 70 56 20



# YOUR TURN

Have a go at questions
1 - 3 on the worksheet

White Rose Maths

To find the common multiples of 6 and 8 I do $6 \times 8 = 48$ and then add on 48 each time.

48, 96, 144, 192…

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

Multiples of 6:

6, 12, 18, 24, 36, 42, 48

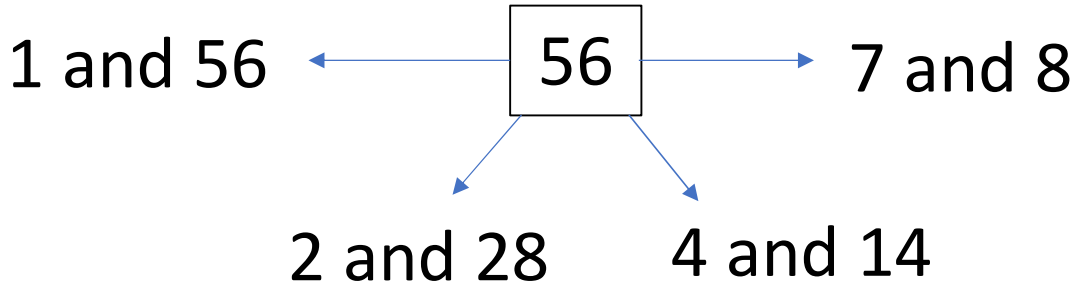
Multiples of 8:

8, 16, 24, 30, 40, 48

72

Have a think

Annie's mum is 56 years old
56 is a multiple of Annie's age
Annie goes to school
How old could Annie be?



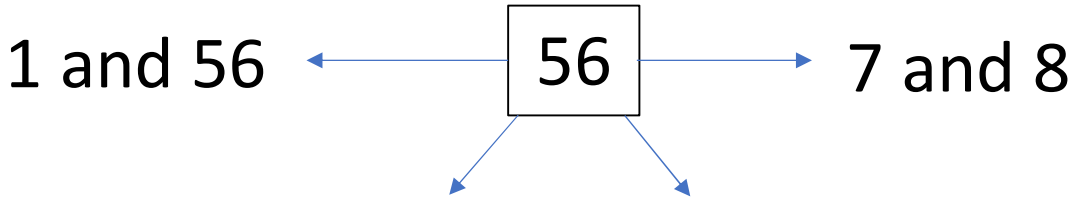

1, 2, 4, 7, 8, 14, 28, 56

4, 7, 8, 14

Annie's age is also 1 away from a multiple of 7

How old is Annie?

Annie's mum is 56 years old
56 is a multiple of Annie's age
Annie goes to school
How old could Annie be?




4, 7, 8, 14

Annie's age is 1 away from a multiple of 7

Multiples of 7: 7, 14, 21, 28, 35, 42, 49, 56

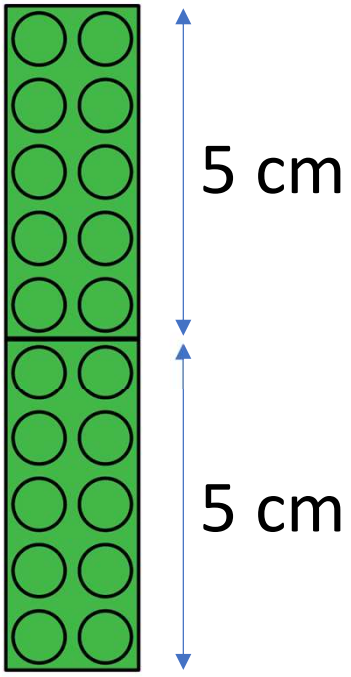
Have a think

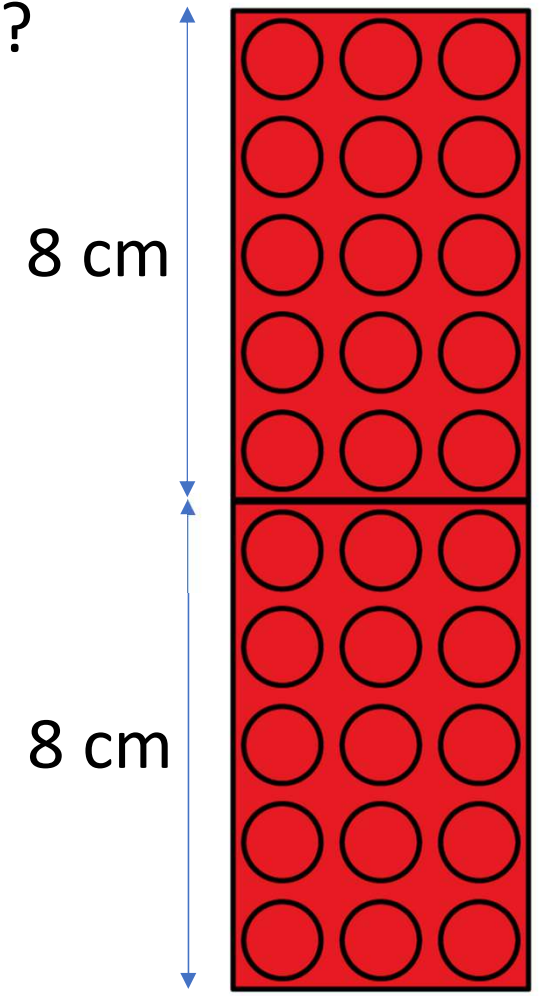
Dora is making two towers using lego.

She makes her two towers exactly the same height.

How tall could the towers be?

Have a think



Dora is making two towers using lego.
She makes her two towers exactly the same height.
How tall could the towers be?

Multiples of 5:

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60

Multiples of 8:

8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96

40 cm tall

80 cm tall

# YOUR TURN

Have a go at the rest of the worksheet

White Rose Maths