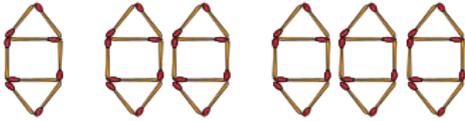


Year 6 Class 16 questions

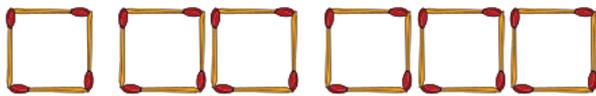
Q1



Complete the table.

| | | | |
|----------------|----------------------|----------------------|----------------------|
| No. of shapes | 1 | 2 | 3 |
| No. of matches | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Q2



Complete the table.

| | | | | |
|----------------|----------------------|----------------------|----|----------------------|
| No. of squares | 1 | 2 | 3 | 4 |
| No. of matches | <input type="text"/> | <input type="text"/> | 12 | <input type="text"/> |

Q3

Complete the table.

| | | | | | |
|------------|----|----|----|----------------------|----------------------|
| top no. | 0 | 1 | 2 | 3 | 6 |
| bottom no. | 16 | 17 | 18 | <input type="text"/> | <input type="text"/> |

Q4

Complete the table.

| | | | | | |
|------------|----|----|----|----------------------|----------------------|
| top no. | 0 | 1 | 2 | 3 | 11 |
| bottom no. | 18 | 19 | 20 | <input type="text"/> | <input type="text"/> |

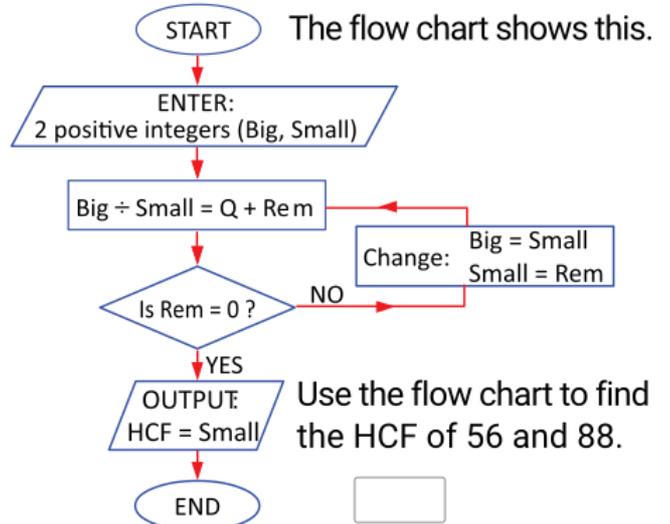
Q5

Complete the table.

| | | | | | |
|------------|----|----|----|----------------------|----------------------|
| top no. | 17 | 18 | 19 | 20 | 29 |
| bottom no. | 0 | 1 | 2 | <input type="text"/> | <input type="text"/> |

Q6

The Euclidean division algorithm can be used to find the HCF of two numbers.



Q7



Complete the table.

| | | | | |
|------------------|----------------------|----------------------|----------------------|----------------------|
| No. of triangles | 1 | 2 | 3 | 10 |
| No. of matches | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

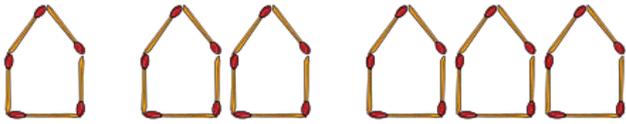
Q8



Complete the table.

| | | | | |
|----------------|----------------------|----------------------|----------------------|----------------------|
| No. of houses | 1 | 2 | 3 | 10 |
| No. of matches | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Q9



Complete the table.

| | | | | | |
|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| No. of houses | 1 | 2 | 3 | 4 | <input type="text"/> |
| No. of matches | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | 40 |

Q10

Complete the table.

| | | | | | |
|------------|---|---|----|----|----------------------|
| top no. | 0 | 1 | 3 | 8 | <input type="text"/> |
| bottom no. | 8 | 9 | 11 | 16 | 23 |

Q11

Complete the table.

| | | | | | |
|------------|---|----|----|----|----------------------|
| top no. | 1 | 4 | 8 | 10 | <input type="text"/> |
| bottom no. | 9 | 12 | 16 | 18 | 21 |

Q12

Complete the table.

| | | | | | |
|------------|---|---|----|----|----------------------|
| top no. | 1 | 3 | 5 | 7 | <input type="text"/> |
| bottom no. | 2 | 6 | 10 | 14 | 16 |

Q13

Complete the table.

| | | | | | |
|------------|----|----|----|----|----------------------|
| top no. | 12 | 14 | 17 | 20 | <input type="text"/> |
| bottom no. | 2 | 4 | 7 | 10 | 24 |

Q14

Complete the table.

| | | | | | |
|------------|---|---|---|----|----------------------|
| top no. | 4 | 6 | 8 | 10 | <input type="text"/> |
| bottom no. | 1 | 3 | 5 | 7 | 8 |

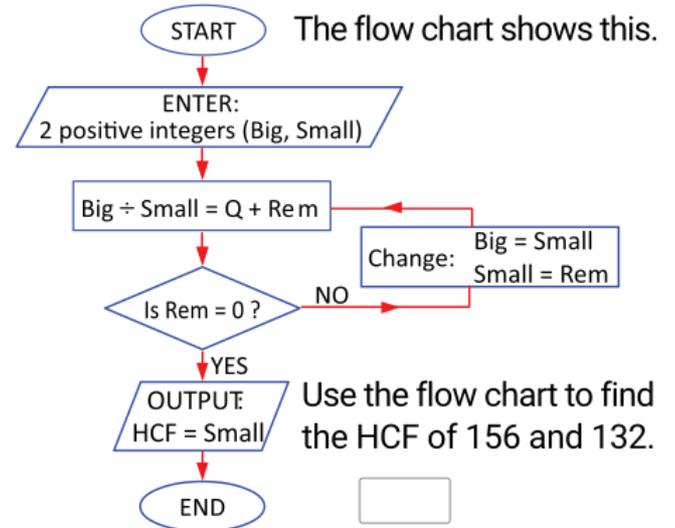
Q15

Complete the table.

| | | | | | |
|------------|----|----|----|----|----------------------|
| top no. | 10 | 12 | 13 | 15 | <input type="text"/> |
| bottom no. | 1 | 3 | 4 | 6 | 8 |

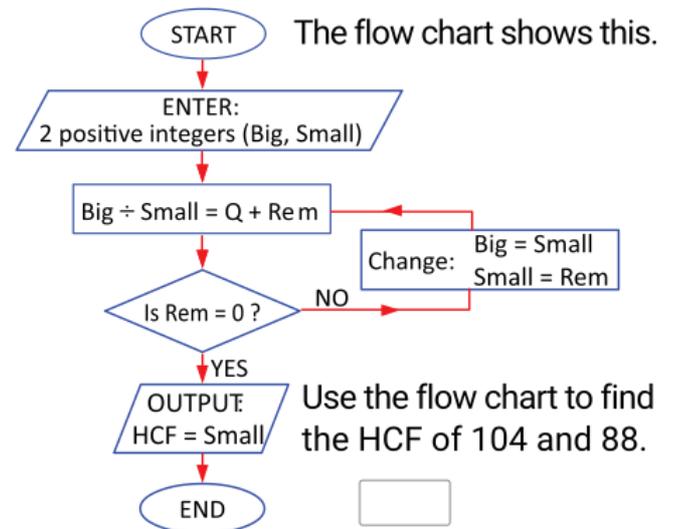
Q16

The Euclidean division algorithm can be used to find the HCF of two numbers.



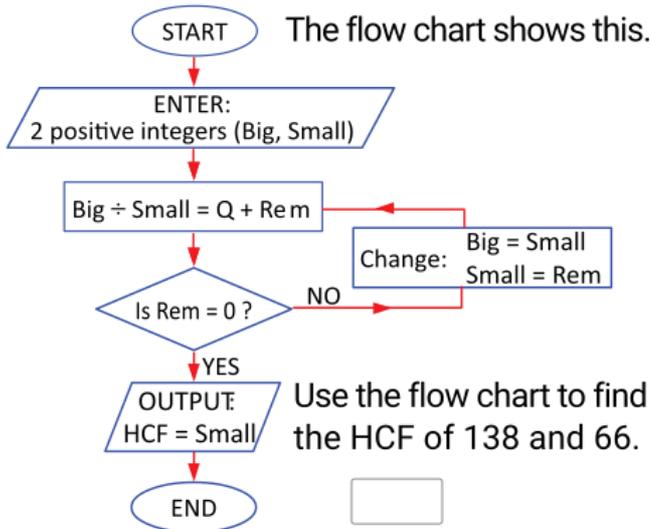
Q17

The Euclidean division algorithm can be used to find the HCF of two numbers.



Q18

The Euclidean division algorithm can be used to find the HCF of two numbers.



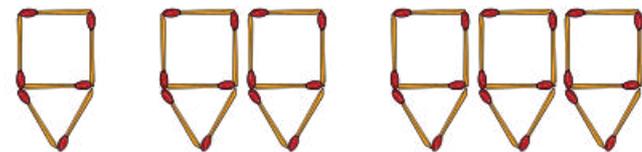
Q19



No. of matches = No. of parallelograms

- × 2
- × 3
- × 4
- × 5

Q20

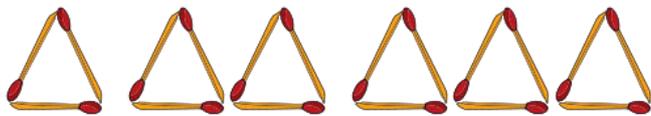


No. of matches = No. of shapes

- × 4
- × 5
- × 6
- × 7

Q21

How many matchsticks are needed to make 12 triangles in this pattern?



No. of matchsticks =

Q22

Complete the table.

| | | | | | |
|------------|---|----------------------|----|----------------------|----|
| top no. | 1 | 4 | 5 | <input type="text"/> | 7 |
| bottom no. | 2 | <input type="text"/> | 10 | 12 | 14 |

Q23

Complete the table.

| | | | | | |
|------------|----|----|----------------------|----|----------------------|
| top no. | 1 | 2 | <input type="text"/> | 4 | 5 |
| bottom no. | 10 | 20 | 30 | 40 | <input type="text"/> |

Q24

Complete the table.

| | | | | | |
|------------|---|----|----------------------|----------------------|----|
| top no. | 1 | 2 | <input type="text"/> | 4 | 5 |
| bottom no. | 9 | 10 | 11 | <input type="text"/> | 13 |

Q25

Complete the table.

| | | | | | |
|------------|----|----|----|----------------------|----------------------|
| top no. | 18 | 21 | 22 | 27 | <input type="text"/> |
| bottom no. | 1 | 4 | 5 | <input type="text"/> | 11 |

Q26

Complete the table.

| | | | | | |
|------------|----|----------------------|----|----------------------|-----|
| top no. | 20 | <input type="text"/> | 70 | 90 | 120 |
| bottom no. | 2 | 3 | 7 | <input type="text"/> | 12 |

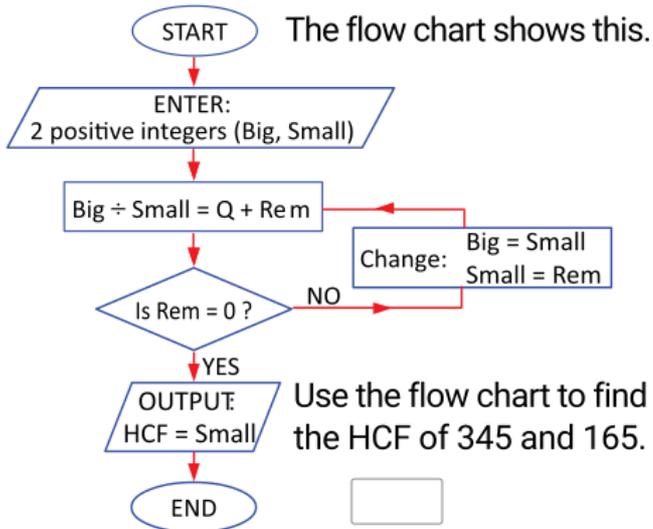
Q27

Complete the table.

| | | | | | |
|------------|----|----------------------|----|----------------------|----|
| top no. | 11 | 13 | 17 | <input type="text"/> | 23 |
| bottom no. | 3 | <input type="text"/> | 9 | 12 | 15 |

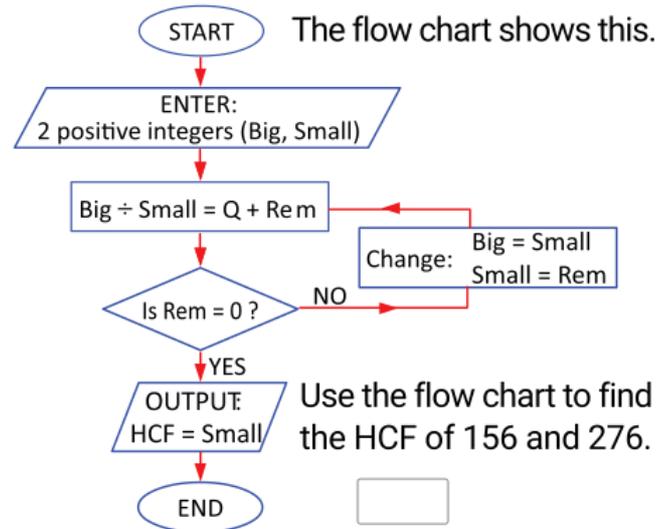
Q28

The Euclidean division algorithm can be used to find the HCF of two numbers.



Q30

The Euclidean division algorithm can be used to find the HCF of two numbers.



Q29

The Euclidean division algorithm can be used to find the HCF of two numbers.

