Add/Sub/Mult/Div Practice Questions

$5^2 =$	$2^3 =$
$7^2 =$	$3^3 =$
$10^2 =$	$4^3 =$
$32^2 =$	$10^3 =$

Tick the square numbers

64 50 44 16

4 20 25 45

What are the factors of these numbers?

9

12

18

What are the common factors of these numbers?

8 and 20

12 and 30

20 and 40

Tick the common factors of 18 and 24

1 2 3 4 5 6 8 9 12

Multiples

Tick the multiple of 5 | 1 10 12 |

Tick the multiple of 4 | 20 25 30 |

Tick the multiple of 7 | 17 | 35 | 44 |

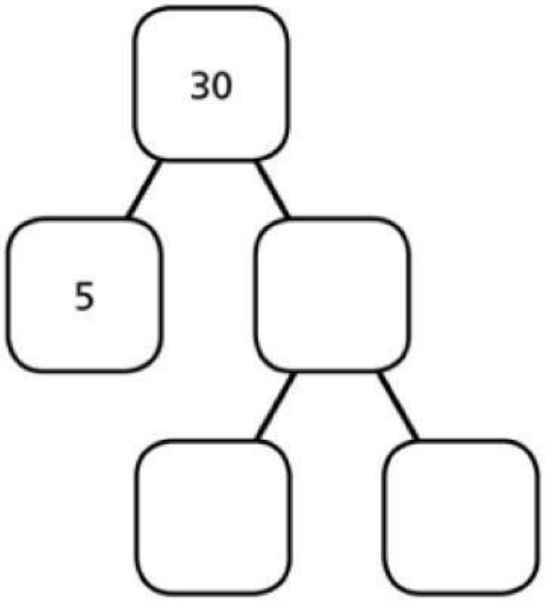
What is the 3rd multiple of 6?

What is the 5th multiple of 7?

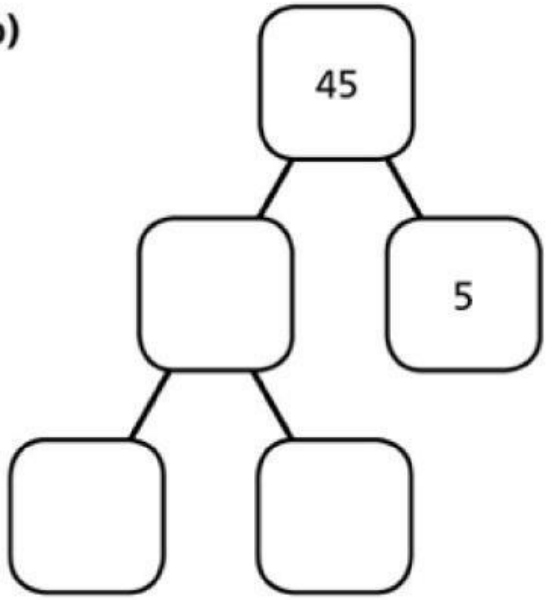
What is the 10th multiple of 10?

Complete the prime factor trees

a)



b)



Tick the Prime numbers

5 9 13 15 17 23 21

I am thinking of a number.....

- It is an even number
- It is between 10 and 30
- It is a factor of 12 and 18

Is my number a prime number?
Explain your reasoning

Complete the table by putting the labels in the correct place

A = Square number
B = Not a square number
C = Multiple of 4
D = Not a multiple of 4

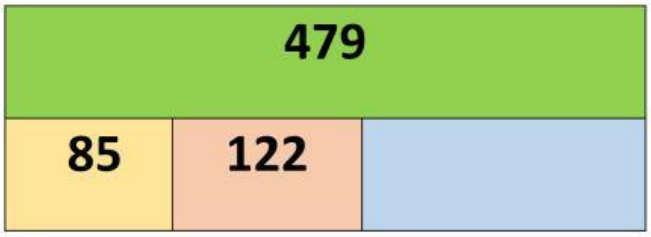
	8, 12, 20, 32, 40	4, 16, 36
	5, 10, 15, 30	9, 25, 49

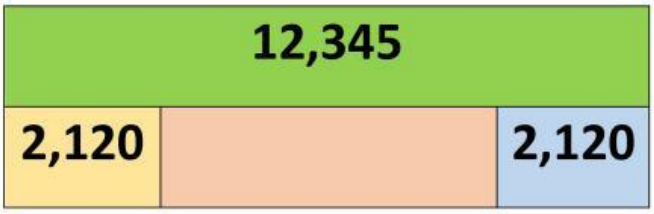
A = Square number
B = Not a square number

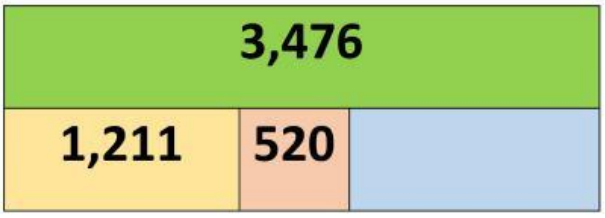
C = Multiple of 3
D = Not a multiple of 3

	9, 36, 81	4, 25, 49, 64
	6, 15, 18, 27, 30	2, 7, 11, 14, 16

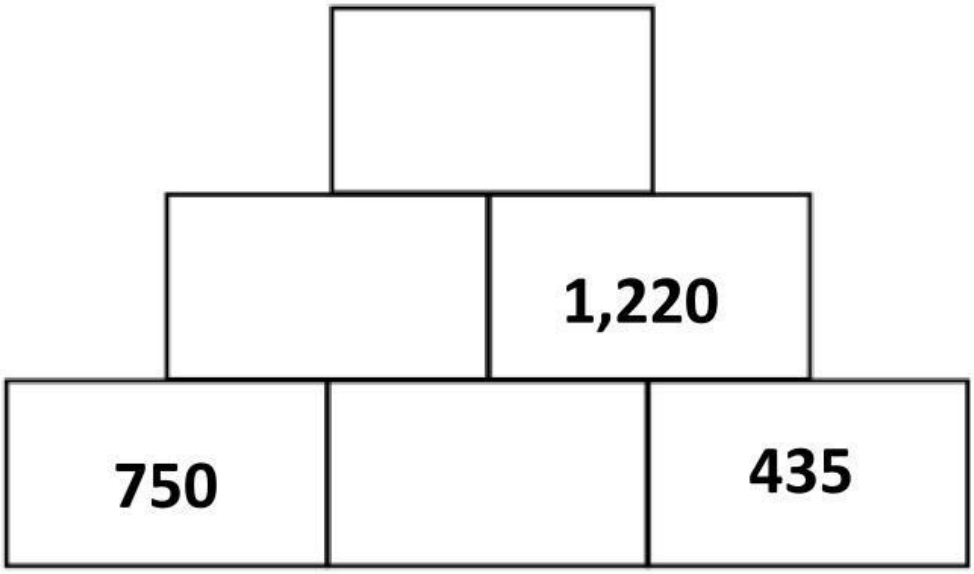
4975 + 3216 =
62,348 + 4871 =
17,247 – 9038 =
5003 – 1732 =
10,000 – 7632 =







Complete the addition pyramid



Complete the missing digits

	5		3	
+		3		7
	7	7	9	9

		4	3	8
+	2		6	
	7	8		5

	7		6	
-	3	3		4
		1	6	5

	9		7	
-		6	3	7
	6	9	3	7

Mult/Div Practice Questions

741 x 6
5327 x 4 =
1372 x 5 =
23 x 45 =
42 x 22 =

915 ÷ 5 =
744 ÷ 3 =
432 ÷ 6 =
2325 ÷ 5 =
9888 ÷ 8 =

Order of operations (BEDMAS)

3 x 5 + 4 =

7 + 4 x 3 =

(8 + 3) x 8 =

10 + (6 x 7) =

(7 x 5) - 4 =

3 x (5 – 1) =

6 x 6 + 4 =

8 + 5 x 3 =

What is the missing number?

2 x 5 + 3 x _____ = 39

3 x 2 + 4 x ____ = 90

4 + 2 x 4 x ____ = 72

3 x (2 + 3) x ____ = 60

5 x (7 - 3) x ____ = 100

12 - (3 x 2) x ____ = 78

150 ÷ 5 = 15 ÷ 5 = 1.5 ÷ 5 =	2800 ÷ 4 = 280 ÷ 4 = 28 ÷ 4 = 2.8 ÷ 4 =	4200 ÷ 7 = 420 ÷ 7 = 42 ÷ 7 = 4.2 ÷ 7 =

John has 4 boxes, and each box has 8 footballs in it.
He then adds 3 more footballs to each box.
Which of these equations will show the total number of footballs?

4 x 8 + 3 **(4 x 8) + 3** **4 x (8 + 3)**

Word problems

1. Sally says that 4,760 ÷ 5 will not have a remainder. Without working it out, explain how you know she **is** correct.

2. Lisa does the calculation 274 ÷ 3 and says that she has a remainder of 4. Without working it out, how do you know she is **not** correct

3. At the potato chips factory, they make boxes that have 8 bags of chips inside. They get an order from China for 2,400 boxes of chips. How many bags of chips will that be? **bags**

4. At the same factory, they get an order for 10,000 bags of chips. How many boxes will need to be sent? **boxes**

5. They then get an order for 4,500 bags of chips. How many boxes will need to be sent? **boxes**

6. Five boxes weigh 200kg altogether. How much does each box weigh? **kg**

7. Five boxes weigh 200kg altogether. Five boxes and 4 bags weigh 300kg altogether. How much does one bag weigh? **kg**

8. 3 boxes weigh 180kg in total. If they all weigh the same amount, How much does each box weigh? **kg**

9. 3 boxes weigh 180kg in total. 3 boxes and 6 bags weigh 300kg in total. How much would 2 bags weigh? **kg**

Complete the missing numbers

10 x 2 = 5 x

8 x 5 = x 10

6 x 4 = 8 x

5 x 12 = x 3

20 ÷ 5 = 12 ÷

36 ÷ = 16 ÷ 4

÷ 2 = 28 ÷ 4

20 ÷ 10 = 10 ÷

Even harder...

20 x 5 = 25 x

30 x = 6 x 15

x 4 = 200 ÷ 2

8 x 8 = 4 x

120 ÷ 6 = 240 ÷

200 x 6 = 400 x