

# 5 a day!



Class 6 are calculating the total of 3,912 and 3,888

Alex says,



We can just double 3,900

Is Alex correct? Explain.



Solve these equations.

$$\frac{3}{4} + \frac{5}{8} =$$

$$\frac{2}{3} + \frac{1}{2} =$$

$$\frac{7}{8} + \frac{4}{5} =$$

$$\frac{9}{10} + \frac{1}{4} =$$

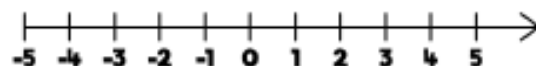


Which numbers up to 20 can 4,236 be divided by without having a remainder?

What do you notice about all the numbers?



Use the number line to answer the questions.



- What is 6 less than 4?
- What is 5 more than -2?
- What is the difference between 3 and -3?



Complete the missing numbers.

$$6,305,400 = \underline{\hspace{2cm}} + 300,000 + \underline{\hspace{2cm}} + 400$$

$$7,001,001 = 7,000,000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$42,550 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 50$$

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Teddy's number is 306,042  
He adds 5,000 to his number.  
What is his new number?



Solve these equations.

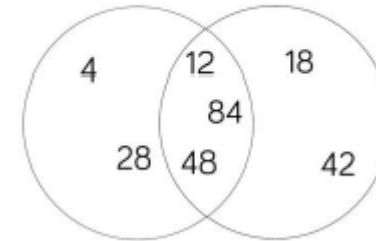
$$2\frac{1}{2} + \frac{1}{3} =$$

$$\frac{3}{5} + 1\frac{1}{4} =$$

$$2\frac{2}{3} + \frac{5}{8} =$$



Work out the headings for the Venn diagram.



Mo has £17.50 in his bank account. He pays for a jumper which costs £30  
How much does he have in his bank account now?



How could you change the order of these calculations to be able to perform them mentally?

$$50 \times 16 \times 2$$

$$30 \times 12 \times 2$$

$$4 \times 17 \times 25$$

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Calculate.

	3	4	6	2	1
+	2	5	7	3	4

$$67,832 + 5,258$$



$$0.6 \times 67 =$$

$$0.4 \times 29 =$$

$$0.9 \times 84 =$$



$$408 \div 12 =$$

$$784 \div 14 =$$

$$884 \div 17 =$$



Jack made cookies for a bake sale.  
He made 345 cookies.  
The recipe says that he should have 17 raisins in each cookie.

How many raisins did he use altogether?



Put a digit in the missing spaces to make the statement correct.

$$4,62 \_ ,645 < 4,623,64 \_$$

# 5 a day!



Dora has the number 824,650

She subtracts forty thousand from her number.

She thinks her new number is 820,650

Is she correct?


Explain how you know.



	4	7	6	1	3	2	5
-		9	3	8	0	5	2
<hr/>							

834,501 - 299,999



 Work out the missing number.

$$6 \times 35 = \underline{\quad} \times 5$$



Mo wants to buy a t-shirt for £9.99, socks for £1.49 and a belt for £8.99

He has £22 in his wallet.

How could he quickly check if he has enough money?



$$\underline{\quad} + 35 = 99$$

$$210 - \underline{\quad} = 41$$

Which square numbers are missing from the calculations?

# 5 a day!



Whitney rounded 2,215,678 to the nearest million and wrote 2,215,000

Can you explain to Whitney what mistake she has made?



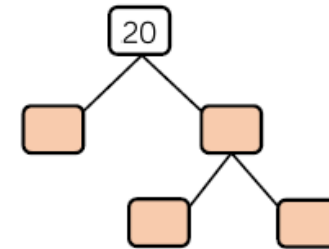
$$345 \times 15 =$$

$$824 \times 17 =$$

$$492 \times 16 =$$



All numbers can be broken down into prime factors. A prime factor tree can help us find them. Complete the prime factor tree for 20



*Here are four numbers.*

*Use a number to complete each calculation.*

$\times 10$ ,  $\times 100$ ,  $\div 10$ ,  $\div 100$

$$25 \text{ \_\_\_\_\_\_ } = 2.5$$

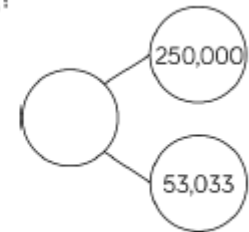
$$7 \text{ \_\_\_\_\_\_ } = 0.07$$

$$3.6 \text{ \_\_\_\_\_\_ } = 360$$



What number could the splat be covering?

Three hundred and thirteen thousand and thirty-three



Greatest



Smallest