

Adding and Subtracting 3-Digit Numbers

LO: to use column addition and subtraction

Calculate the answer to the following:

a.					b.					c.					d.				
	5	8	1			6	7	2			7	6	0			9	0	2	
+	2	3	8		-	3	3	9		-	3	2	5		+	3	7	8	
e.					f.					g.					h.				
	6	0	9			3	2	6			4	8	7			5	6	9	
-	5	2	6		+	4	1	9		+	1	3	3		+	6	5	0	
i.					j.					k.					l.				
	7	1	3			3	1	7			6	2	8			9	0	0	
-	2	8	6		-	2	5	8		+	7	9	4		-	2	7	8	

Challenge: Complete the following calculations:

m.					n.					o.									
		7	2			8	7				9		5						
+	4		9		-		9	7		+	7	4							
	0	2				5		3			1		5	3					



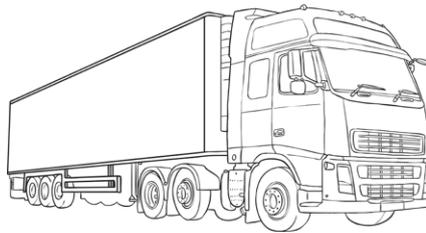
Problem Solving

For each word problem, underline the key information, write down the calculations and work out the answers. The problems may involve adding, subtracting, multiplying or dividing.

1. On Sunday I spent 144 minutes on my art project and 45 minutes on my numeracy homework. On Thursday evening I spent a total of 111 minutes on my homework. What is the difference between the amount of homework I did on Sunday and Thursday evening?



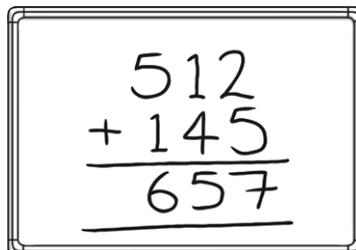
2. Dad drives a truck. Last week he drove 267 miles on Monday, 186 miles on Tuesday and 198 on Wednesday. This week Dad drove 282 miles in total. What is the difference in mileage between this week and last week?



3. One watch costs 98p and I bought four. If I paid with a £10 note, how much change did I receive?

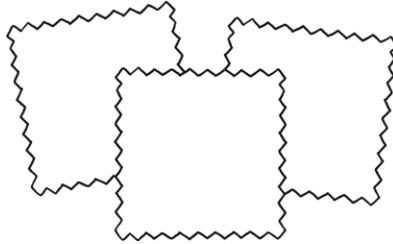


4. I need to buy enough whiteboards for 172 students and there are 25 in a pack. When the packs arrive, 12 whiteboards are damaged. How many whiteboards are undamaged?

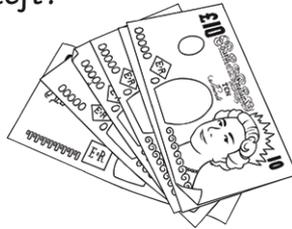




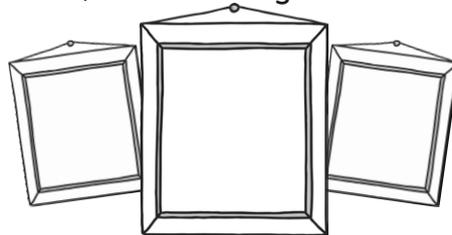
5. At the fabric shop I bought 238 metres of orange fabric, 100 metres of yellow fabric and 267 metres of purple fabric. I have used 15 metres of the orange fabric, 25 metres of yellow fabric and 7 metres of purple fabric. How many metres of fabric do I have left in total?



6. I got £48.50 for my birthday. I spent £12.50 on Saturday and £19.20 on Sunday. How much spending money have I got left?



7. Sally bought 3 photograph frames, each costing £7.55. She paid with £30.00. How much change did she get?



Multiplication Grids

Multiplying 2-digit numbers by 1-digit numbers using the grid method.

Can you use the grid method to multiply a 2-digit number by a 1-digit number? The first one has been done for you.

1. $12 \times 3 = 36$

×	10	2
3	30	6

 = 36

2. $12 \times 4 = \underline{\hspace{2cm}}$

×	10	2
4		

 =

3. $14 \times 3 = \underline{\hspace{2cm}}$

×	10	4
3		

 =

4. $18 \times 2 = \underline{\hspace{2cm}}$

×	10	8
2		

 =

5. $34 \times 2 = \underline{\hspace{2cm}}$

×	30	4
2		

 =

Multiplication Grids

6. $18 \times 5 = \underline{\hspace{2cm}}$

×	10	8
5		

 =

7. $23 \times 4 = \underline{\hspace{2cm}}$

×	20	3
4		

 =

8. $22 \times 8 = \underline{\hspace{2cm}}$

×	20	2
8		

 =

9. $15 \times 8 = \underline{\hspace{2cm}}$

×	10	5
8		

 =

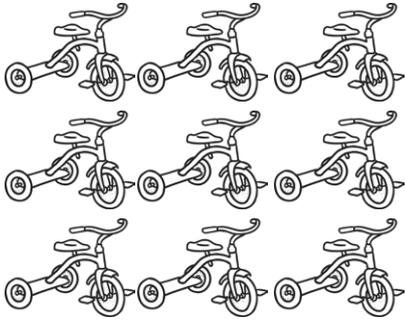
10. $45 \times 3 = \underline{\hspace{2cm}}$

×	40	5
3		

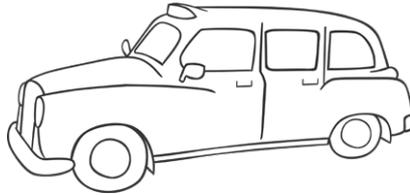
 =

Year 3 Multiplication and Division Word Problems x3 x4 x8 Activity Sheet

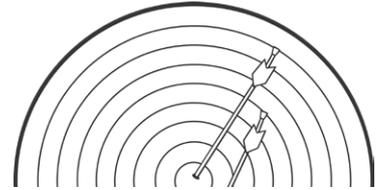
1. How many wheels would 9 tricycles have?



2. 24 people travel to an airport in taxis. 4 people travel in each taxi. How many taxis are used?



3. Hanan is a keen archer. One day she shoots 5 arrows. Each arrow scores an 8. What is her total score?



4. Three judges award 27 marks overall. They each give the same score. What score did they each give?



5. Cinema tickets are £8. Six people go to see a film. How much will they pay altogether?



6. Cans of lemonade are sold in packs of 4. Cherie wants 36 cans for a party. How many packs should she buy?

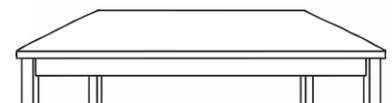


7. Trish, Karen and Layla share equally a packet of nuts. There are 21 nuts in the pack. How many nuts do each get?



8. A machine making mango pieces puts 8 pieces in each snack packet. The machine makes 88 pieces in 1 minute. How many packets are filled every minute?

9. A carpenter makes tables. Some have 3 legs and some have 4 legs. He plans to make 5 tables with 3 legs, and 4 tables with 4 legs. How many legs will he need?





Bunny Hops

Now try these:

6. $45 \div 3 =$

Answer:

7. $112 \div 8 =$

Answer:

8. $64 \div 4 =$

Answer:

9. $85 \div 5 =$

Answer:

10. $120 \div 8 =$

Answer:

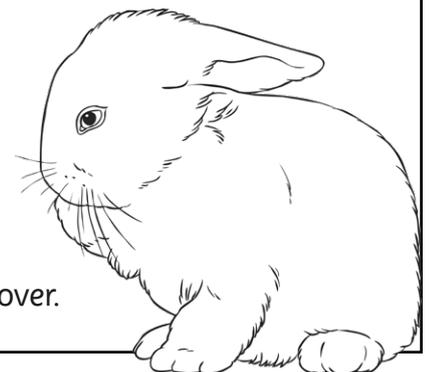
Grab Some Carrots

Grab a handful of carrots (counters or cubes). Count your carrots. Can you divide them into groups of 3, 4 and 8? Are there any carrots left over? We call this a remainder.

For example:

$$11 \div 4 = 2 \text{ remainder } 3$$

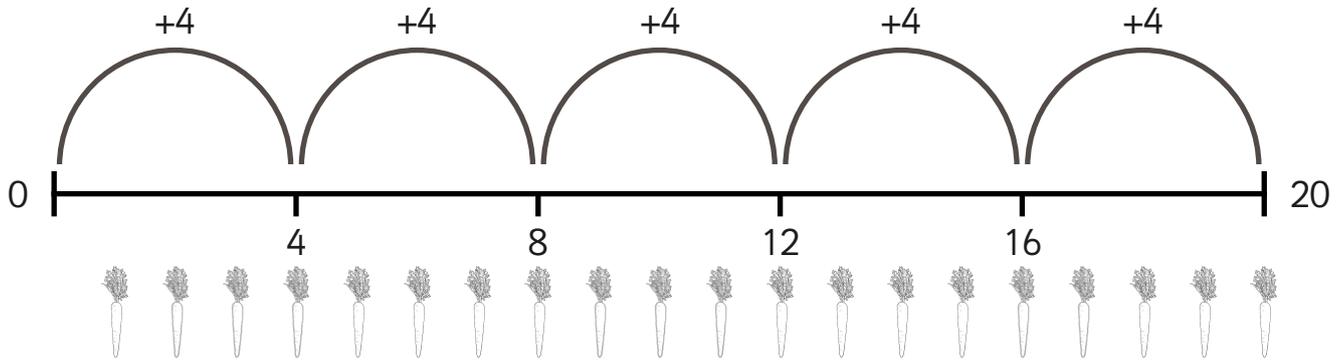
11 carrots shared into groups of 4 makes 2 groups with 3 carrots left over.





Bunny Hops

I can use a number line to solve division problems.



Draw number lines to find the answers to these division problems.

1. $42 \div 3 =$

Answer:

2. $52 \div 4 =$

Answer:

3. $75 \div 5 =$

Answer:

4. $39 \div 3 =$

Answer:

5. $104 \div 8 =$

Answer: