Year 6 Maths Revision Booklet

Addition, Subtraction, Multiplication and Division

	Date	T	
	Subject/s	1	Maths
Lea	urning Objective		
			To recall and use multiplication and division facts
1)	7 x 2	=	21) 8 x 6 =
2)	3 x 8	=	22) 7 x 9 =
3)	4 x 6	=	23) 6 x 7 =
4)	2 x 9	=	24) 8 x 8 =
5)	6 x 4	=	25) 6 x 3 =
6)	8 x 4	=	26) 9 x 6 =
7)	7 x 5	=	27) 7 x 5 =
8)	9 x 10	=	28) 8 x 9 =
9)	6 x 6	=	29) 10 x 7 =
1)	6 x	= 18	21)
2)	8 x	= 16	22) $8 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
3)	x 7	= 7	23) $__$ x 6 = 48
4)	x9	= 45	24) 9 x = 45
5)	7 x	= 21	25)
6)	x 6	= 36	26) $6 \times _{} = 36$
7)	x 8	= 40	27) $8 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
8)	9 x	= 90	28)
9)	x 8	= 32	29)
10)	x 6	= 24	30) 7 x = 56
11)	7 x	= 63	31) $__$ x 8 = 48
12)	x 6	= 0	32) $6 \times _{} = 60$
13)	x 8	= 80	33) $9 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
14)	9 x	= 54	34)
15)	6 x	= 42	35)
16)	x8	= 56	36) 9 x = 81
	x 9		
18)	6 x	= 30	38) $__ x 8 = 64$
	8 x		
	x 9		

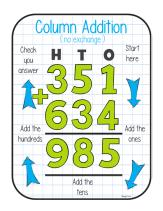
Date			
Subject/s	<u>Maths</u>		
Learning Objective	To add and subtract numbers with four or more digits	S.	
		SA Q	TA
Success Criteria	I can use place value columns to set out calculation		<u> </u>
✓! 🗐	I understand when to exchange		
* -	I know the bigger number goes on top when subtracting		
Support	Independent Adult Support () Group Work	,	
Pre-task: Calculate 7084 + 9118	Calculate 8753 - 1832		

Using 'My Maths' www.mymaths.co.uk

Teacher Led

https://www.youtube.com/watch?v=6UCV8919-ZQ https://www.youtube.com/watch?v=h8wjXaecKM4

Addition

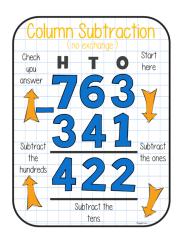


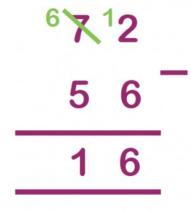
Start with the ones column and work right to left

8 + 3 = 11 so you exchange the 1 into the tens column.

3 + 9 = 12 add the one = 13

Subtraction





Start with the ones. Work right to left
You can't do 2—6 so you exchange 1 ten
into the 1s.

Fluency

Find the difference.

1. 5,956 - 1,129 2. 9,835 - 7,026

3. 5,018 - 2,046 4. 6,792 - 6,677

5. 5,524 - 1,774 6. 6,027 - 4,818

7. 5,031 - 4,549 8. 9,188 - 3,921

9. 6,814 - 3,785 10. 8,545 - 6,350

11. 9,847 - 9,546 12. 9,178 - 7,311

13. 4,582 - 2,548 14. 4,438 - 1,501 15. 5,478 - 2,230 16. 8,503 - 1,538

17. 8,996 - 7,650 18. 5,001 - 4,500

19. 9,530 - 3,410 20. 8,082 - 4,688

21. 9,743 - 3,396 22. 5,880 - 2,665

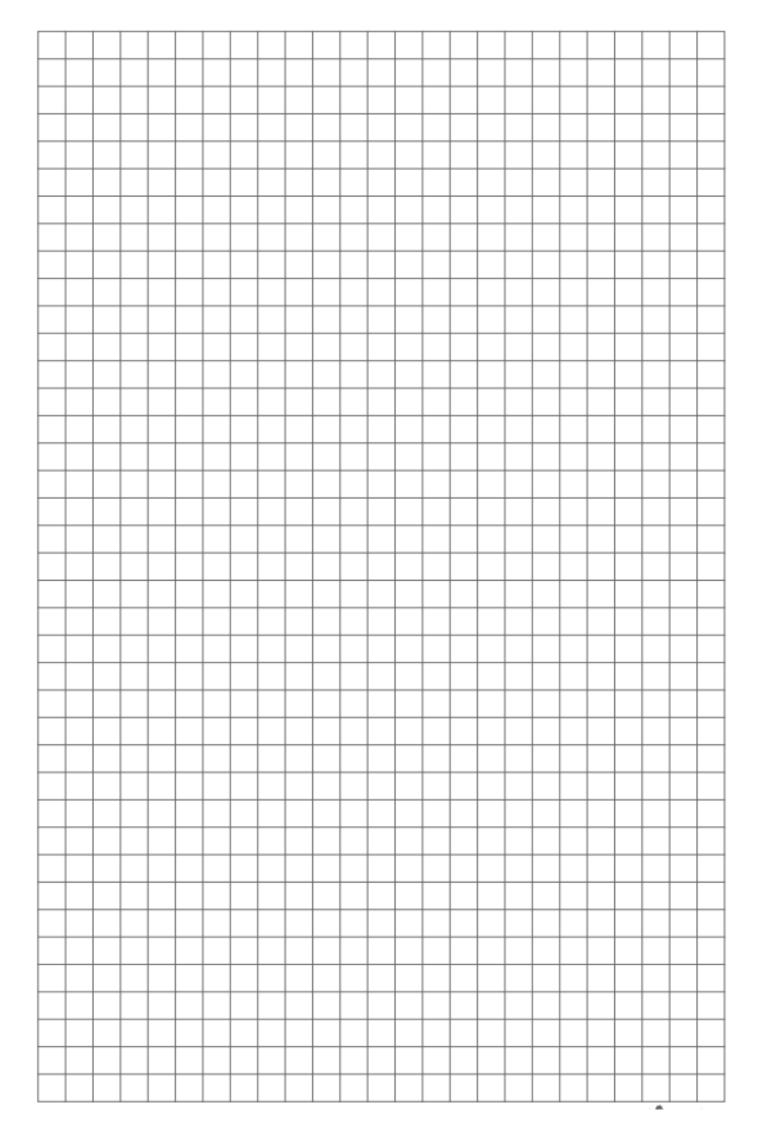
23. 9,522 - 3,776 24. 4,642 - 1,868

25. 4,804 - 4,011 26. 5,714 - 5,005

26

+	9138 	+	5186 536	+	3264 9359
 	6735 2998	+	2621 242	+	3972 6036
 	9327 4500	+	786 4879	+	3007 4271
 	4186 5809	+	7104 484	+	1484 8273
+	2238 5045	+	5672 1509	+	1524 6063

i



Problem Solving and Reasoning

Use it!

Work out the missing numbers.



	?	4	?	3	?
+	2	?	5	?	2
	7	8	5	2	9

Convince me!

Eva makes a 5-digit number.



Mo makes a 4-digit number.

The difference between their numbers is 3,465

What could their numbers be?

Explain it!

Rosie completes this subtraction incorrectly.

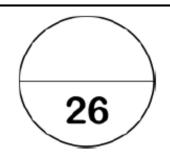


28701 -<u>7621</u> 21180

Explain the mistake to Rosie and correct it for her.

Answers

Find the difference.



+	9138 2528 11666	+	5186 536 5722	+	3264 9359 12623
+	6735 2998 9733	+	2621 242 2863	+	3972 6036 10008
+	9327 4500 13827	+	786 4879 <u>5665</u>	+	3007 4271 7278
+	4186 5809 9995	+	7104 484 7588	+	1484 8273 9757
+	2238 5045 7283	+	5672 1509 7181	+	1524 6063 7587

54937 23592

Possible answers:

9,658 and 14,023 12,654 and 8,289 5,635 and 10,000

Rosie did not write down the exchange she made when she exchanged 1 hundred for 10 tens. This means she still had 7 hundreds subtract 6 hundreds when she should have 6 hundreds subtract 6 hundreds. The correct answer is 21,080

Date	
Subject/s	Maths
Learning Objective	
	To recall and use multiplication and division facts

2 8 x 4 31 12 x 3 60 7 x 6 3 7 x 10 32 3 x 8 61 4 x 8 4 9 x 9 33 8 X 8 62 12 X 2 5 6 x 2 34 6 x 8 63 3 x 6 6 4 x 7 35 11 x 7 64 4 x 10 7 9 X 2 36 10 x 1 65 9 x 11 8 12 x 12 37 10 x 5 66 3 x 12 9 5 X 9 38 3 x 5 67 3 x 10 10 7 X 7 39 12 x 11 68 4 X 4 11 11 x 6 40 6 x 6 69 4 x 9 12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74	1 1	9 X 7	30	6 x 9	59	9 X 4	
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	26	9 x 12	55	2 x 5	84	8 x 5	
28 11 x 11 57 9 x 3 86 9 x 6	27	5 x 4	56	5 x 10	85	7 x 11	
	28	11 x 11	57	9 x 3	86	9 x 6	1
29 7 x 4 58 8 x 10 87 10 x 11	29	7 x 4	58	8 x 10	87	10 x 11	

Date				
Subject/s	<u>Maths</u>			
Learning Objective	To round to estimate			
			SA	TA
Success Criteria	I can round numbers to make them easier to add or stally I know to look at the digit next to what I am roundin round to the nearest 100, I look at the tens column I know if the digit is 5 or higher it increases by one, it less it stays the same	ıg to. E.g.		
Support	Independent Adult Support ()	Group Work		
Pre-task: Which is best to estimate	the total of 22,223 and 5,687?			
	22,300 + 5,700			
	22,200 + 5,700			
	22,200 + 5,600			
Explain your reasoning.				

Teacher Led

https://www.youtube.com/watch?v=bSemNdW9_wE

If I were to answer the question above, I would round to the nearest 100. I would do this because rounding to the nearest 10 would still be too difficult to work out without a method and rounding to the nearest 1000 wouldn't give me an accurate enough estimation.

Now I can work out the exact question

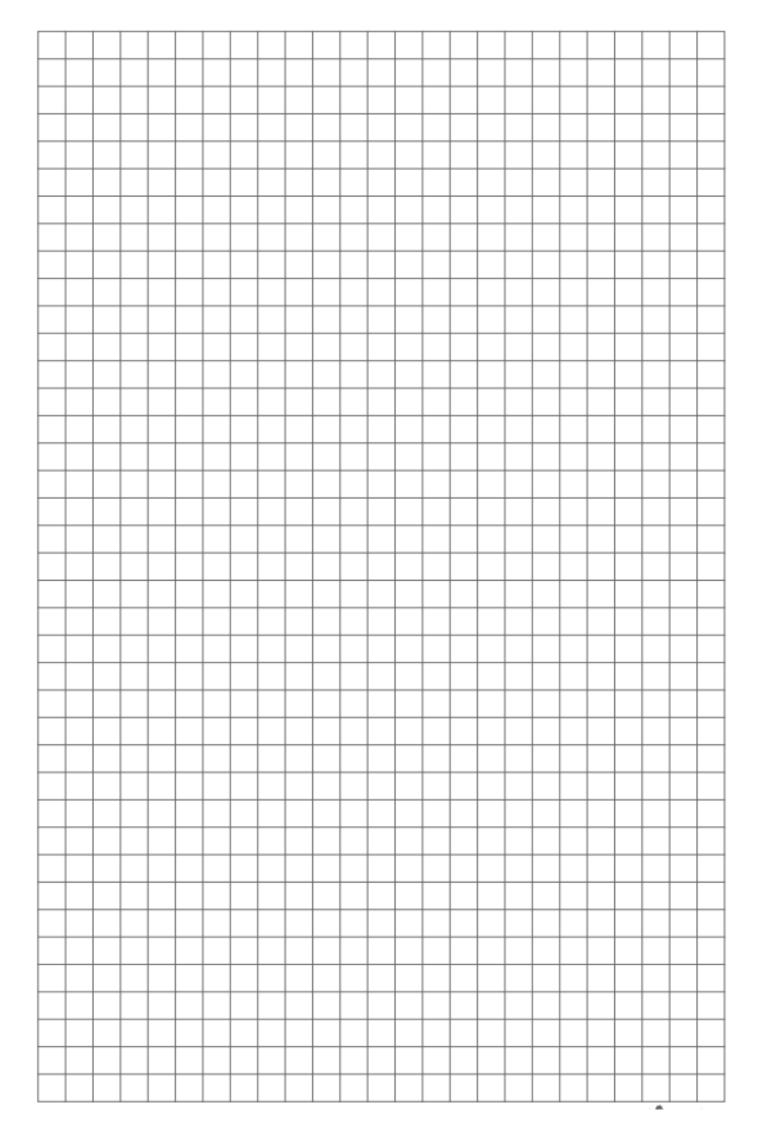
I know my answer is correct because it is close to my estimation

Fluency

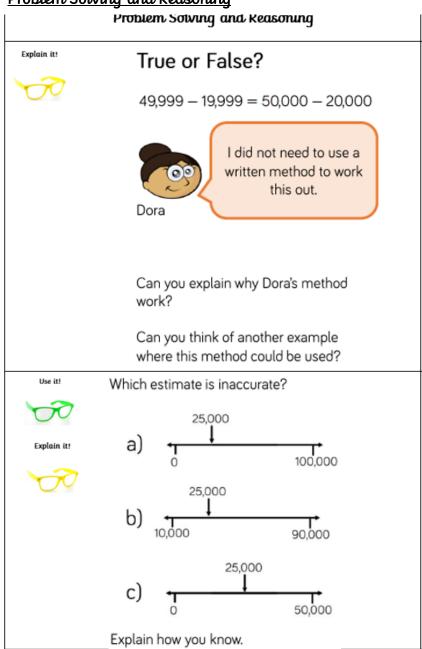
1)
$$5788 \longrightarrow 5800$$

$$-4361 \longrightarrow -4400$$

$$1400$$



Problem Solving and Reasoning



Further Challenge

Broken calculator

'The 9 and 5 keys on my calculator are broken!' **How can I use it to work out**:

$$997 + 995$$

$$195 + 165$$

Answers

1) 5788
$$\longrightarrow$$
 5800
 $-4361 \longrightarrow$ -4400
1427 1400

2)
$$3772 \longrightarrow 3800$$

 $+3559 \longrightarrow +3600$
 $7331 \longrightarrow 7400$

9) 9239
$$\longrightarrow$$
 9200
 -6839 \longrightarrow -6800
2400 2400

10) 8764
$$\longrightarrow$$
 8800
+ 2845 \longrightarrow + 2800
11600

4)
$$6555 \longrightarrow 6600$$

 $+8376 \longrightarrow +8400$
 $14931 \longrightarrow 15000$

11) 4169
$$\longrightarrow$$
 4200
+ 9295 \longrightarrow + 9300
13464 13500

5) 9417
$$\longrightarrow$$
 9400
 -5723 \longrightarrow - 5700
3694 3700

12) 1378
$$\longrightarrow$$
 1400
+ 6737 \longrightarrow + 6700
8115 8100

6) 5889
$$\longrightarrow$$
 5900
 $+7119 \longrightarrow$ $+7100$
13000

7) 3291
$$\longrightarrow$$
 3300
- 1718 \longrightarrow - 1700
1573 1600

Answers

True

Dora has used her related number facts. Both numbers on the right have increased by 1 therefore whatever the difference is, it will remain the same as the left hand side.

B is inaccurate.
The arrow is about a quarter of the way along the number line so it should be 30,000

Date			
Subject/s		Maths	
Learning Objective	To recall and w	se multiplication and division	ı facts
2 × 2 =	3 x 3 =	4 × 4 =	11 × 10 =
3 × 5 =	6 × 8 =	7 × 5 =	10 x 2 =
4 × 6 =	12 × 5 =	8 x 12 =	$3 \times 12 =$
7 × 4 =	8 × 6 =	10 × 11 =	4 × 9 =
10 × 10 =	10 × 12 =	4 × 2 =	5 x 7 =
9 × 3 =	11 × 2 =	10 × 3 =	9 x 8 =
7 × 2 =	3 x 9 =	6 × 8 =	10 x 7 =
11 × 3 =	4 × 11 =	12 × 10 =	7 × 8 =
10 × 5 =	2 × 5 =	2 × 11 =	4 × 3 =
2 × 4 =	6 × 10 =	8 × 3 =	12 × 4 =
5 × 6 =	10 × 9 =	3 × 4 =	5 x 8 =
7 × 10 =	2 × 12 =	4 × 5 =	8 x 8 =
9 × 2 =	5 × 3 =	7 × 8 =	12 x 2 =
3 × 11 =	9 × 4 =	8 × 10 =	5 x 4 =
10 × 4 =	5 × 5 =	2 x 8 =	9 x 5 =
8 × 5 =	8 × 8 =	8 × 0 =	8 × 11 =
9 × 8 =	9 × 10 =	4 × 12 =	2 × 10 =
4 × 10 =	5 × 2 =	12 × 8 =	4 × 7 =
3 × 2 =	6 × 3 =	3 × 6 =	11 × 5 =
7 × 3 =	6 × 4 =	5 × 10 =	2 × 3 =
4 × 8 =	5 × 11 =	8 × 2 =	8 x 9 =
5 × 9 =	2 × 6 =	3 × 7 =	8 x 4 =
12 × 8 =	3 × 10 =	11 × 4 =	11 × 8 =
2 × 9 =	2 x 7 =	5 × 12 =	12 × 3 =
10 × 8 =	3 × 8 =	0 x 4 =	8 x 7 =

Subject/s	<u>Maths</u>		
Learning Objective	Tσ use the inverse to check answers		
		SA (M)	TA A
Success Criteria	I know the inverse means the opposite		
✓! 🗏	I can use the inverse to check calculations are correct I understand that addition can be done in any order but subtraction needs the bigger number first		
Support	Independent Adult Support () Group Work		
corresponding addition q 8,9 8,9	-8,947, which answer gives the pestion? 47 + 8,631 = 17,468 47 + 8,521 = 17,468 51 + 8,947 = 17,468		

Explain why

Teacher Led

If the original sum is correct, then the answer to our inverse calculation should be the minuend (the larger number in the column subtraction). If it is anything other than this number, then $\frac{-2541}{}$ we know the original subtraction is incorrect.

X 2 3 3582

3582

+2541

So, the answer to the original problem is incorrect!

Looking at the original subtraction number sentence, can you explain to a partner where you think the mistake was made?



Column Addition

2525

7+8=15 I need to

Let me check my result ...

I have used the inverse to check my result!

Column Subtraction

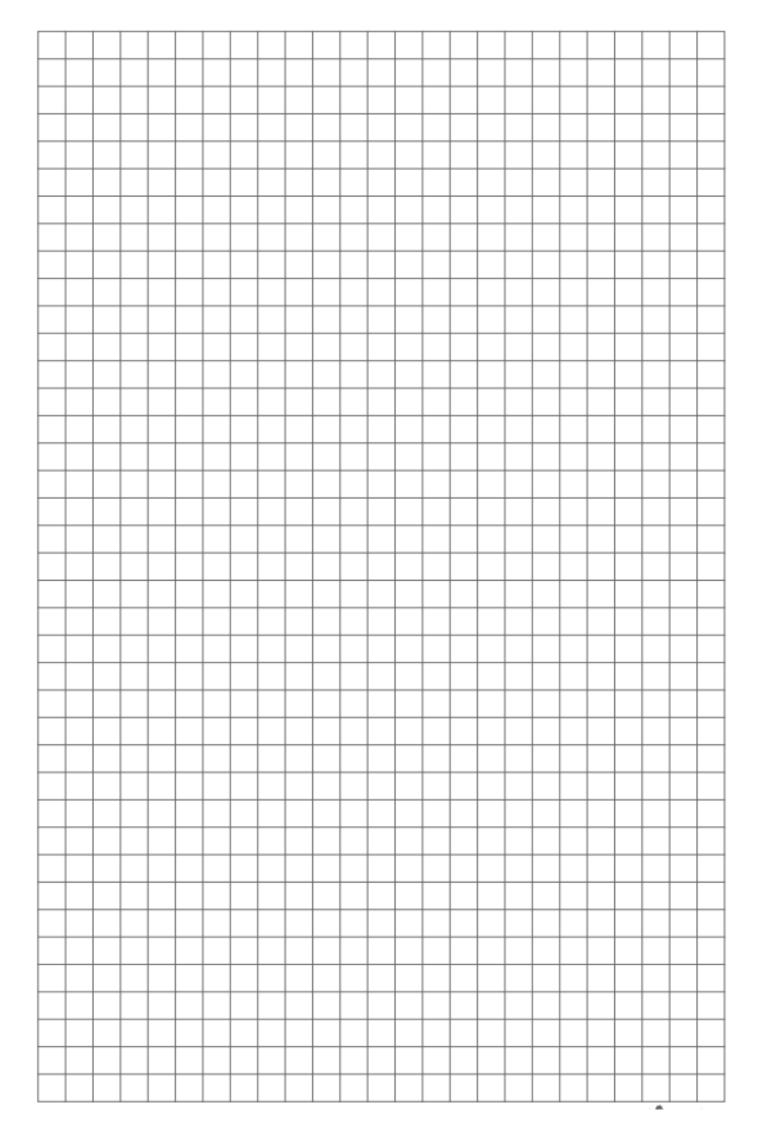
I cannot I need to

Let me check my enswer ...

<u>Fluency</u>

Complete these questions and check your answer using column subtraction.

Challenge:



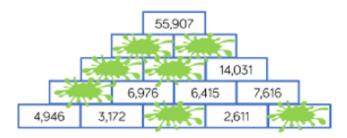
Problem Solving and Reasoning

Problem Solving and Reasoning

Use it!

Complete the pyramid using addition and subtraction.





Convince me!



Mo, Whitney, Teddy and Eva collect marbles.



I have double the amount of marbles Mo has.





I have half the amount of marbles Mo has.

In total they have 8,524 marbles between them.

How many does Eva have?

Answers

Question	Answer
1	11884
2	10053
3	10483
4	10336
5	18753
6	10467
7	18260
8	14852
9	5181
10	16225
11	10162
12	12971
13	12535
14	11598
15	10078
16	12452
Challeng	e
1	2132 + 3152 = 5284
2	9617 + 6580 = 16 197
3	2567 + 5398 = 7965
4	8821 + 2060 = 10 881

Answers

From left to right:

Bottom row: 3,804, 5,005

Second row: 8,118

Third row: 15,094, 13,391

Fourth row: 28,485, 27,422

Eva has 2,756 marbles.

Date	
Subject/s	Maths.
Learning Objective	To recall and use multiplication and division facts

3 × 4 =	7 x 8 =	9 ÷ 3 =	36 ÷ 12 =
21 ÷ 7 =	8 × 6 =	12 × 4 =	10 × 8 =
4 × 8 =	3 × 9 =	4 x 7 =	3 × 11 =
40 ÷ 8 =	15 ÷ 3 =	27 ÷ 9 =	20 ÷ 4 =
4 × 11 =	48 ÷ 6 =	8 ÷ 4 =	6 × 8 =
5 × 8 =	11 × 3 =	5 × 8 =	80 ÷ 10 =
24 ÷ 4 =	88 ÷ 11 =	24 ÷ 3 =	4 × 1 =
72 ÷ 8 =	8 × 4 =	9 × 4 =	8 x 5 =
10 × 3 =	16 ÷ 4 =	8 x 11 =	6 × 4 =
5 × 4 =	32 ÷ 8 =	6 ÷ 3 =	3 ÷ 3 =
12 ÷ 3 =	3 × 6 =	48 ÷ 12 =	44 ÷ 11 =
4 × 9 =	8 ÷ 8 =	3 × 4 =	7 × 3 =
11 × 8 =	4 × 3 =	0 x 8 =	12 × 8 =
3 × 12 =	48 ÷ 8 =	18 ÷ 3 =	28 ÷ 4 =
24 ÷ 8 =	30 ÷ 10 =	3 × 3 =	56 ÷ 7 =
27 ÷ 3 =	8 × 9 =	64 ÷ 8 =	4 × 12 =
7 × 4 =	10 × 4 =	36 ÷ 4 =	5 × 3 =
36 ÷ 9 =	16 ÷ 8 =	8 x 8 =	56 ÷ 7 =
56 ÷ 8 =	8 × 3 =	21 ÷ 3 =	4 × 6 =
3 × 0 =	72 ÷ 9 =	4 × 12 =	32 ÷ 4 =
12 ÷ 4 =	3 × 8 =	96 ÷ 12 =	12 × 3 =
33 ÷ 3 =	4 × 4 =	24 ÷ 8 =	7 × 8 =
6 × 3 =	9 x 8 =	2 × 3 =	9 x 3 =
40 ÷ 4 =	4 ÷ 4 =	11 × 4 =	21 ÷ 3 =
28 ÷ 7 =	3 × 7 =	32 ÷ 8 =	8 x 12 =

Date					
Subject/s	<u>Maths</u>				
Learning Objective					
₹	Tσ multiply and divide by 10, 100 and 1000				
		SA	TA		
		5/1	171		
		A			
Success Criteria	I know when multiplying digits move to the left				
√! ■	I know when dividing digits move to the right I know when multiplying/dividing by				
▼	1 <mark>0</mark> = digits move <mark>1</mark> place				
	1 <mark>00</mark> = digits move <mark>2</mark> places				
	1 <mark>000</mark> = digits move 3 places				
Support	Independent Adult Support () Group Work				
Pre-task: Complete these questions					
34x10=					
724x100=					
460/10=					
400/10-					
23500/1000=					

Teacher Led

https://corbettmathsprimary.com/2018/07/24/multiplying-and-dividing-by-10-100-and-1000-videos/

÷ 10						
Jh	Н	T	0	t	h	
		2	7	0	0	
		(÷ 10)	2	7	0	
		(÷100)	0	2	7	

To divide by 10, move the digits one space to the right To divide by 100, move the digits two spaces to the right

Multiplying and Dividing by 10, 100 and 1000

10 000	1000	100	10	1	1 10	1 100	1 1000

Multiplying

X 10 X 100 X 1000 digits move LEFT 1 space digits move LEFT 2 spaces digits move LEFT 3 spaces

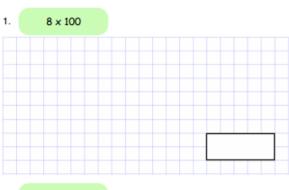


Dividing

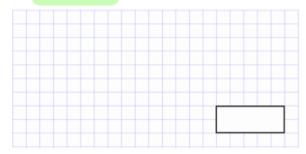
÷ 10 ÷ 100 ÷ 1000 digits move RIGHT 1 space digits move RIGHT 2 spaces digits move RIGHT 3 spaces



Fluency



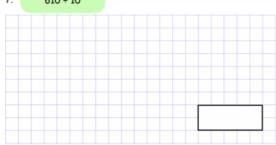
2. 1,000 x 4



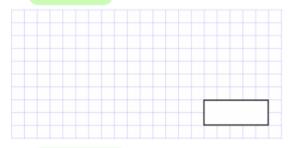
3. 100 x 25

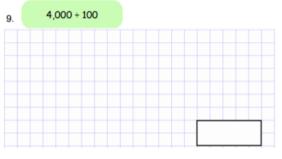


7. 610 ÷ 10



900 ÷ 100





4. Circle the number that is 10 times smaller than 80

90 70 8 800

5. Natalie wants to buy a car.

She saves £100 a month.



How much money will she have saved after 11 months?

£

6. A box holds 10 eggs.

Martha buys 45 boxes of eggs.

How many eggs does Martha buy?

10. A ticket for a charity concert costs £10.

450 tickets are sold.

How much money is raised for charity?

£

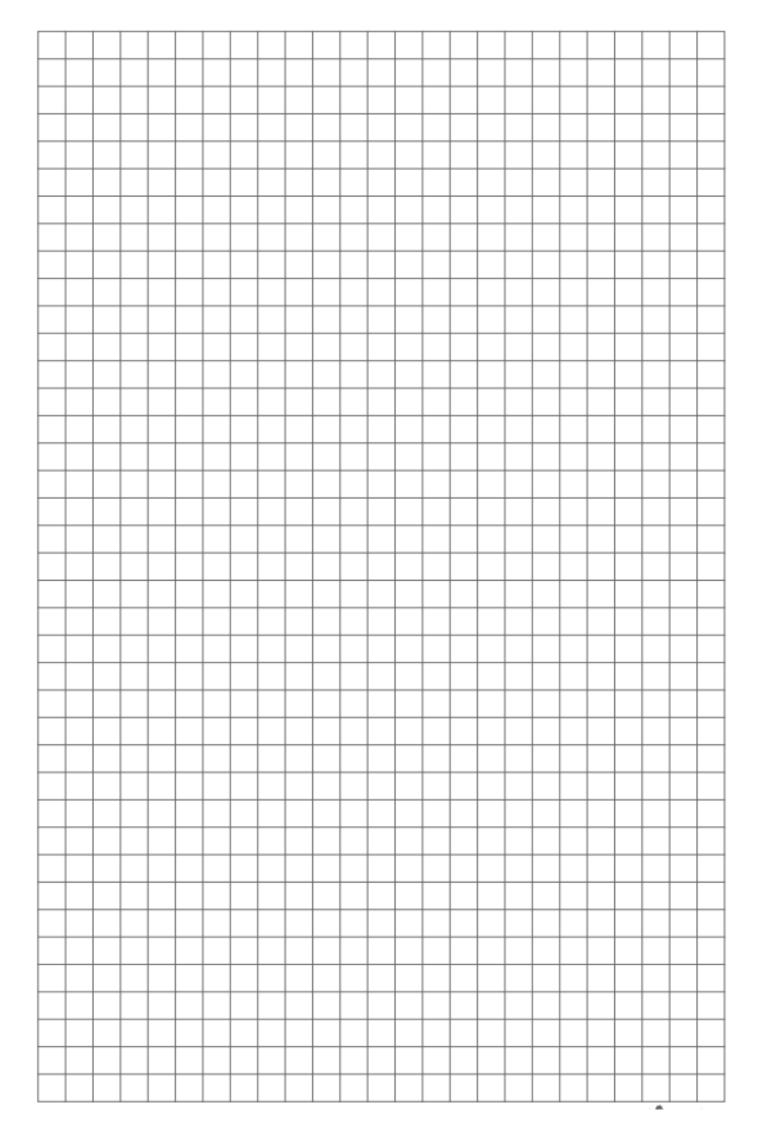
11. Barry prints books that each have 100 pages.

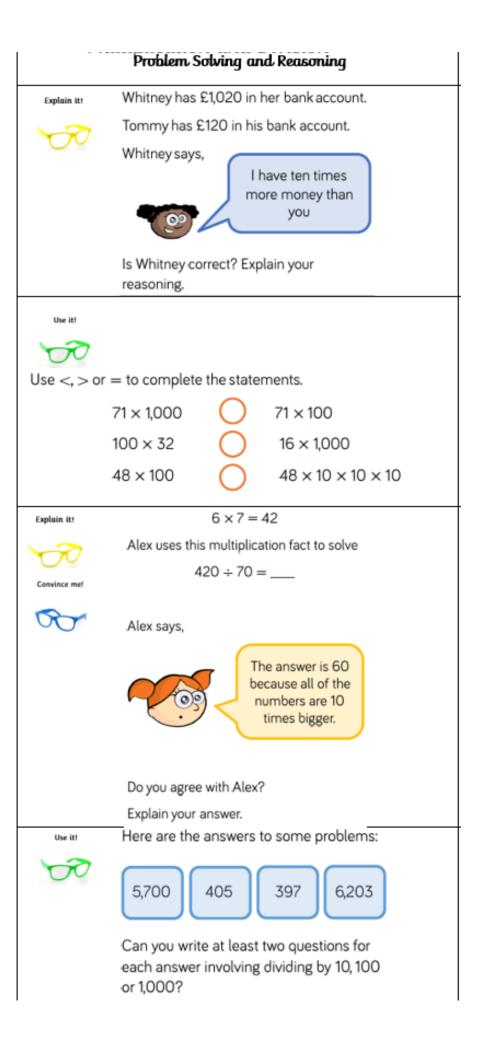
In total, he prints 9,000 pages

How many books did Barry print?

 Circle the number that is 10 times greater than eight hundred and forty.

8,040 84 8,004 8,400 840





Answers

Answers

Whitney is incorrect, she would need to have £1,200 if this were the case (Or Tommy would need to be £102).

- 1. >
- 2. <
- 3. =

Alex is wrong; both numbers (the dividend and divisor) are 10 times bigger than the numbers in the multiplication so the answer is 6.

 $6 \times 70 = 420$, therefore $420 \div 70 = 6$

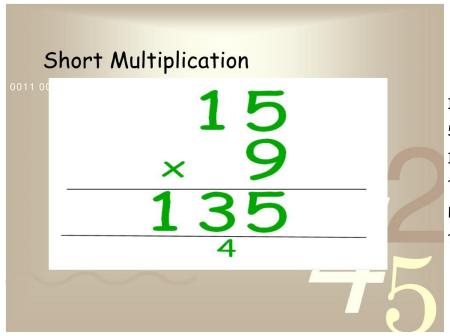
	Date	T	
	Subject/s	1	Maths
Lea	urning Objective		
			To recall and use multiplication and division facts
1)	7 x 2	=	21) 8 x 6 =
2)	3 x 8	=	22) $7 \times 9 = $
3)	4 x 6	=	23) $6 \times 7 = $
4)	2 x 9	=	24) 8 x 8 =
5)	6 x 4	=	25) $6 \times 3 = $
6)	8 x 4	=	26) 9 x 6 =
7)	7 x 5	=	27) 7 x 5 =
8)	9 x 10	=	28) 8 x 9 =
9)	6 x 6	=	29) 10 x 7 =
1)	6 x	= 18	21) $\underline{\hspace{1cm}} x7 = 49$
2)	8 x	= 16	22) $8 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
3)	x 7	= 7	23)
4)	x9	= 45	24) 9 x = 45
5)	7 x	= 21	25)
6)	x 6	= 36	26) $6 \times _{} = 36$
7)	x 8	= 40	27) $8 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
8)	9 x	= 90	28)
9)	x 8	= 32	29)
10)	x 6	= 24	30) $7 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
11)	7 x	= 63	31)
12)	x 6	= 0	32) $6 \times _{} = 60$
13)	x 8	= 80	33) $9 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
14)	9 x	= 54	34) x 8 = 72
15)	6 x	= 42	35)
16)	x8	= 56	36) $9 \times _{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}$
	x 9		
18)	6 x	= 30	38) $_\x 8 = 64$
	8 x		
	x 9		

Steps to Success

Date					
Subject/s	<u>Maths</u> .				
Learning Objective	To use short multiplication				
		SA	TA		
		⊗	****		
Success Criteria	I know to start with the ones				
√! ■	I can use my times tables knowledge I know to add the numbers that have been exchanged				
Support	Independent Adult Support () Group Work				
Pre-task: Calculate 24x8 =					
72x3=					
19x7=					
574x4=					

<u>Teacher Led</u>

Watch up to 1min 29secs $\frac{\text{https://www.youtube.com/watch?v=wayoCIgl08I&safe=active}}{\text{model}}$

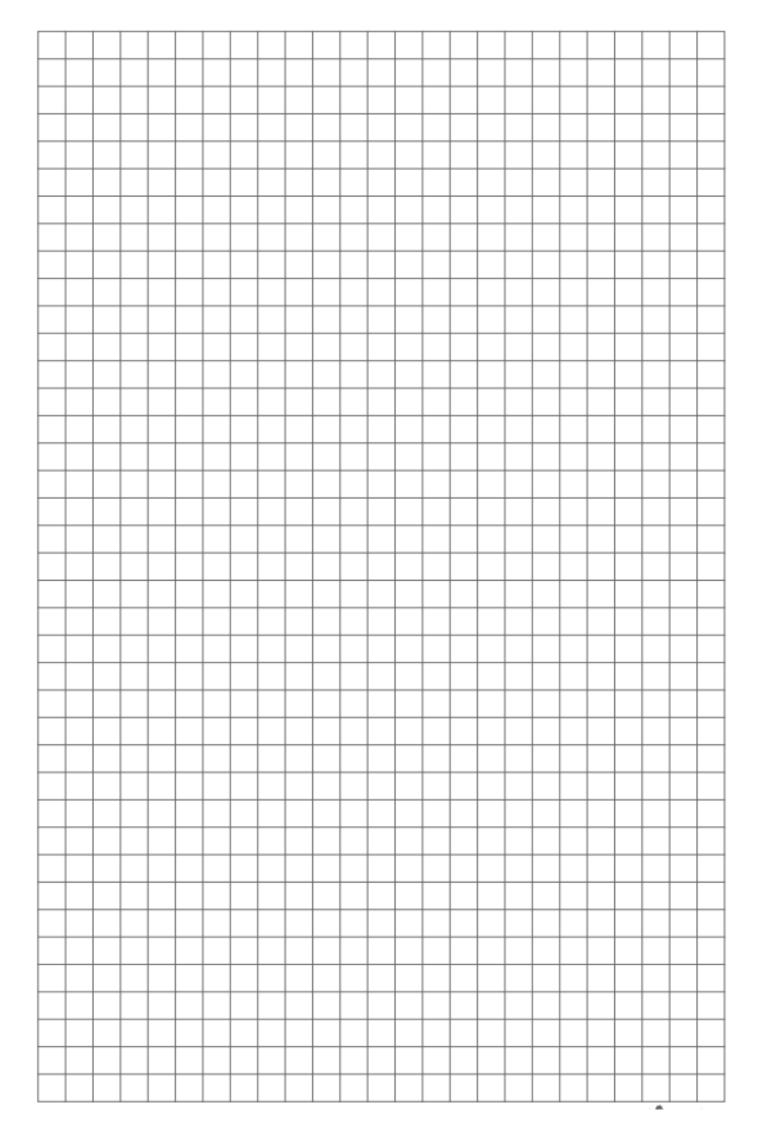


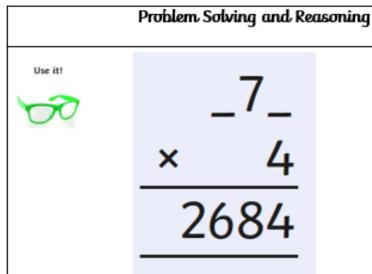
I start with the ones column $5 \times 9 = 45$ I put the 4 in the tens column

1 x 9 = 9 Then add the 4 = 13 Put the 1 in the hundreds column 15 x 9 = 135

<u>Fluency</u>

- $33 \times 7 =$
- 43 x 6 =
- 53 x 4 =
- 62 x 2 =
- 38 x 9 =
- 21 x 3 =
- 18 x 6 =
- 54 x 8 =
- 82 x 7 =
- 71 x 3 =
- 15 x 9 =
- 92 x 6 =
- 25 x 7 =
- 39 x 8 =
- 48 x 5 =
- 27 x 6 =
- 76 x 4 =
- 92 x 3 =
- 88 x 6 =
- 66 x 3 =





Use it!

How many different solutions can you find to solve this missing number question?



36

Explain it!

×



___6

Convince me!

Is the answer correct? Why?



452

×

3

12156

Further Challenge

How many ways?

Complete using digits 0-9. The digit in the box with a border must be odd.



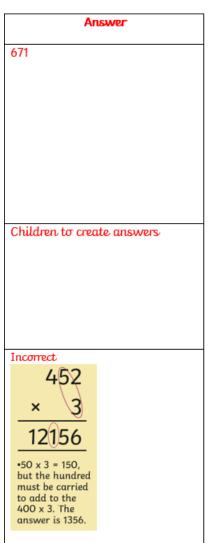
Level 1: I can find a way

Level 2: I can find different ways

Level 3: I know how many ways there are

Answers

- $33 \times 7 = 231$
- $43 \times 6 = 258$
- $53 \times 4 = 212$
- $62 \times 2 = 124$
- $38 \times 9 = 342$
- $21 \times 3 = 63$
- $18 \times 6 = 108$
- $54 \times 8 = 432$
- $82 \times 7 = 574$
- $71 \times 3 = 213$
- $15 \times 9 = 135$
- $92 \times 6 = 552$
- $25 \times 7 = 175$
- $39 \times 8 = 312$
- $48 \times 5 = 240$
- $27 \times 6 = 162$
- 76 x 4 = 304
- $92 \times 3 = 276$
- $88 \times 6 = 528$
- 66 x 3 = 198



Date	
Subject/s	Maths
Learning Objective	
	To recall and use multiplication and division facts

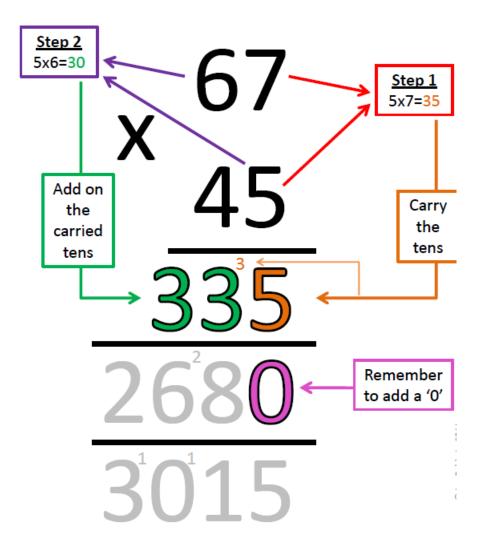
2 8 x 4 31 12 x 3 60 7 x 6 3 7 x 10 32 3 x 8 61 4 x 8 4 9 x 9 33 8 x 8 62 12 x 2 5 6 x 2 34 6 x 8 63 3 x 6 6 4 x 7 35 11 x 7 64 4 x 10 7 9 X 2 36 10 x 1 65 9 x 11 8 12 x 12 37 10 x 5 66 3 x 12 9 5 X 9 38 3 x 5 67 3 x 10 10 7 X 7 39 12 x 11 68 4 X 4 11 11 x 6 40 6 x 6 69 4 x 9 12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74	1	9 X 7	30	6 x 9	59	9 X 4	
3 7 x 10 32 3 x 8 61 4 x 8 4 9 x 9 33 8 x 8 62 12 x 2 5 6 x 2 34 6 x 8 63 3 x 6 6 4 x 7 35 11 x 7 64 4 x 10 7 9 x 2 36 10 x 1 65 9 x 11 8 12 x 12 37 10 x 5 66 3 x 12 9 5 x 9 38 3 x 5 67 3 x 10 10 7 x 7 39 12 x 11 68 4 x 4 11 11 x 6 40 6 x 6 69 4 x 9 12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></t<>							1
4 9 x 9 33 8 X 8 62 12 X 2 5 6 x 2 34 6 x 8 63 3 x 6 6 4 x 7 35 11 x 7 64 4 x 10 7 9 X 2 36 10 x 1 65 9 x 11 8 12 x 12 37 10 x 5 66 3 x 12 9 5 X 9 38 3 x 5 67 3 x 10 10 7 X 7 39 12 x 11 68 4 X 4 11 11 x 6 40 6 x 6 69 4 x 9 12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
5 6 × 2 34 6 × 8 63 3 × 6 6 4 × 7 35 11 × 7 64 4 × 10 7 9 × 2 36 10 × 1 65 9 × 11 8 12 × 12 37 10 × 5 66 3 × 12 9 5 × 9 38 3 × 5 67 3 × 10 10 7 × 7 39 12 × 11 68 4 × 4 11 11 × 6 40 6 × 6 69 4 × 9 12 5 × 11 41 2 × 9 70 4 × 11 13 4 × 6 42 12 × 7 71 6 × 5 14 9 × 5 43 11 × 8 72 7 × 2 15 8 × 12 44 2 × 6 73 5 × 12 16 10 × 10 45 4 × 5 74 2 × 10 17 7 × 3 46 4 × 9 75 4 × 12 18 5 × 8 47 8 × 2 76 7 × 8 19 3 × 3 48 7 × 9 77 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
6 4 x 7 35 11 x 7 64 4 x 10 7 9 X 2 36 10 x 1 65 9 x 11 8 12 x 12 37 10 x 5 66 3 x 12 9 5 X 9 38 3 x 5 67 3 x 10 10 7 X 7 39 12 x 11 68 4 X 4 11 11 x 6 40 6 x 6 69 4 x 9 12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78							
7 9 X 2 36 10 X 1 65 9 X 11 8 12 X 12 37 10 X 5 66 3 X 12 9 5 X 9 38 3 X 5 67 3 X 10 10 7 X 7 39 12 X 11 68 4 X 4 11 11 X 6 40 6 X 6 69 4 X 9 12 5 X 11 41 2 X 9 70 4 X 11 13 4 X 6 42 12 X 7 71 6 X 5 14 9 X 5 43 11 X 8 72 7 X 2 15 8 X 12 44 2 X 6 73 5 X 12 16 10 X 10 45 4 X 5 74 2 X 10 17 7 X 3 46 4 X 9 75 4 X 12 18 5 X 8 47 8 X 2 76 7 X 8 19 3 X 3 48 7 X 9 77 6 X 10 20 10 X 11 49 12 X 8 78 12 X 6 21 11 X 2 50 9 X 4 79 7 X 12 22 2 X 7 51 5 X 5 80 2 X 2 23 6 X 12 52 10 X 12 81							
8 12 x 12 37 10 x 5 66 3 x 12 9 5 X 9 38 3 x 5 67 3 x 10 10 7 X 7 39 12 x 11 68 4 X 4 11 11 x 6 40 6 x 6 69 4 x 9 12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80	6		35				
9 5 × 9 38 3 × 5 67 3 × 10 10 7 × 7 39 12 × 11 68 4 × 4 11 11 × 6 40 6 × 6 69 4 × 9 12 5 × 11 41 2 × 9 70 4 × 11 13 4 × 6 42 12 × 7 71 6 × 5 14 9 × 5 43 11 × 8 72 7 × 2 15 8 × 12 44 2 × 6 73 5 × 12 16 10 × 10 45 4 × 5 74 2 × 10 17 7 × 3 46 4 × 9 75 4 × 12 18 5 × 8 47 8 × 2 76 7 × 8 19 3 × 3 48 7 × 9 77 6 × 10 20 10 × 11 49 12 × 8 78 12 × 6 21 11 × 2 50 9 × 4 79 7 × 12 22 2 × 7 51 5 × 5 80 2 × 2 23 6 × 12 52 10 × 12 81	7	9 X 2	36	10 x 1	65	9 x 11	
10 7 × 7 39 12 × 11 68 4 × 4 11 11 × 6 40 6 × 6 69 4 × 9 12 5 × 11 41 2 × 9 70 4 × 11 13 4 × 6 42 12 × 7 71 6 × 5 14 9 × 5 43 11 × 8 72 7 × 2 15 8 × 12 44 2 × 6 73 5 × 12 16 10 × 10 45 4 × 5 74 2 × 10 17 7 × 3 46 4 × 9 75 4 × 12 18 5 × 8 47 8 × 2 76 7 × 8 19 3 × 3 48 7 × 9 77 6 × 10 20 10 × 11 49 12 × 8 78 12 × 6 21 11 × 2 50 9 × 4 79 7 × 12 22 2 × 7 51 5 × 5 80 2 × 2 23 6 × 12 52 10 × 12 81 11 × 0 24 5 × 7 53 8 × 11 82	8	12 x 12	37	10 x 5	66	3 x 12	
11 11 x 6 40 6 x 6 69 4 x 9 12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 x 5 80 2 x 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83	9	5 X 9	38	3 x 5	67	3 x 10	
12 5 x 11 41 2 x 9 70 4 x 11 13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80 2 X 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84	10	7 X 7	39	12 x 11	68	4 X 4	
13 4 x 6 42 12 x 7 71 6 x 5 14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80 2 X 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85	11	11 x 6	40	6 x 6	69	4 x 9	
14 9 x 5 43 11 x 8 72 7 x 2 15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80 2 X 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	12	5 x 11	41	2 x 9	70	4 x 11	
15 8 X 12 44 2 x 6 73 5 x 12 16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80 2 X 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	13	4 x 6	42	12 x 7	71	6 x 5	1
16 10 x 10 45 4 x 5 74 2 x 10 17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 x 4 79 7 x 12 22 2 x 7 51 5 x 5 80 2 x 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 x 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	14	9 x 5	43	11 x 8	72	7 x 2	1
17 7 x 3 46 4 x 9 75 4 x 12 18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 x 4 79 7 x 12 22 2 x 7 51 5 x 5 80 2 x 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 x 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	15	8 X 12	44	2 x 6	73	5 x 12	<u> </u>
18 5 x 8 47 8 x 2 76 7 x 8 19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80 2 X 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	16	10 x 10	45	4 x 5	74	2 x 10	
19 3 x 3 48 7 x 9 77 6 x 10 20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80 2 X 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	17	7 x 3	46	4 x 9	75	4 x 12	
20 10 x 11 49 12 x 8 78 12 x 6 21 11 x 2 50 9 X 4 79 7 x 12 22 2 x 7 51 5 X 5 80 2 X 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	18	5 x 8	47	8 x 2	76	7 x 8	
21 11 x 2 50 9 x 4 79 7 x 12 22 2 x 7 51 5 x 5 80 2 x 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 x 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	19	3 x 3	48	7 x 9	77	6 x 10	
22 2 x 7 51 5 x 5 80 2 x 2 23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 x 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	20	10 x 11	49	12 x 8	78	12 x 6	1
23 6 x 12 52 10 x 12 81 11 x 0 24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 x 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	21	11 x 2	50	9 X 4	79	7 x 12	1
24 5 x 7 53 8 x 11 82 2 x 12 25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	22	2 x 7	51	5 X 5	80	2 X 2	1
25 10 x 6 54 4 x 3 83 2 X 4 26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	23	6 x 12	52	10 x 12	81	11 x 0	
26 9 x 12 55 2 x 5 84 8 x 5 27 5 x 4 56 5 x 10 85 7 x 11	24	5 x 7	53	8 x 11	82	2 x 12	
27 5 x 4 56 5 x 10 85 7 x 11	25	10 x 6	54	4 x 3	83	2 X 4	
1 1 1 1 1	26	9 x 12	55	2 x 5	84	8 x 5	
28 11 v 11 57 0 v 3 86 0 v 6	27	5 x 4	56	5 x 10	85	7 x 11	
	28	11 x 11	57	9 x 3	86	9 x 6	1
29 7 x 4 58 8 x 10 87 10 x 11	29	7 x 4	58	8 x 10	87	10 x 11	

Steps to Success

	Date	,															
Su	bject	s/s										Maths	į.				
Learning Objective To use long multiplication						on											
<u> </u>	L	<u> </u>			<u> </u>												
																SA O	TA A
Succe.	ss Cr		ı		I know to start with the ones I know to use a place holder when multiplying the tens or hundreds					v -							
					I can add answers												
Support				I	Independent Adult Support () Group Work												
Pre-task: Calculate	2.																
		4	2	6	7			3	0	4	6						
	×			3	4		×			7	3						
					5	5,734 × 2	26										

<u>Teacher Led</u>

Watch https://corbettmaths.com/2013/02/15/multiplication-traditional/



<u>Fluency</u>

1: 18 × <u>94</u> 2: 17 × <u>75</u> 3: 10 × <u>85</u>

10 × <u>77</u> 5: 19 × <u>83</u>

6: 14 × 91

10 × 65 s: 16 × <u>63</u>

9: 12 × 42

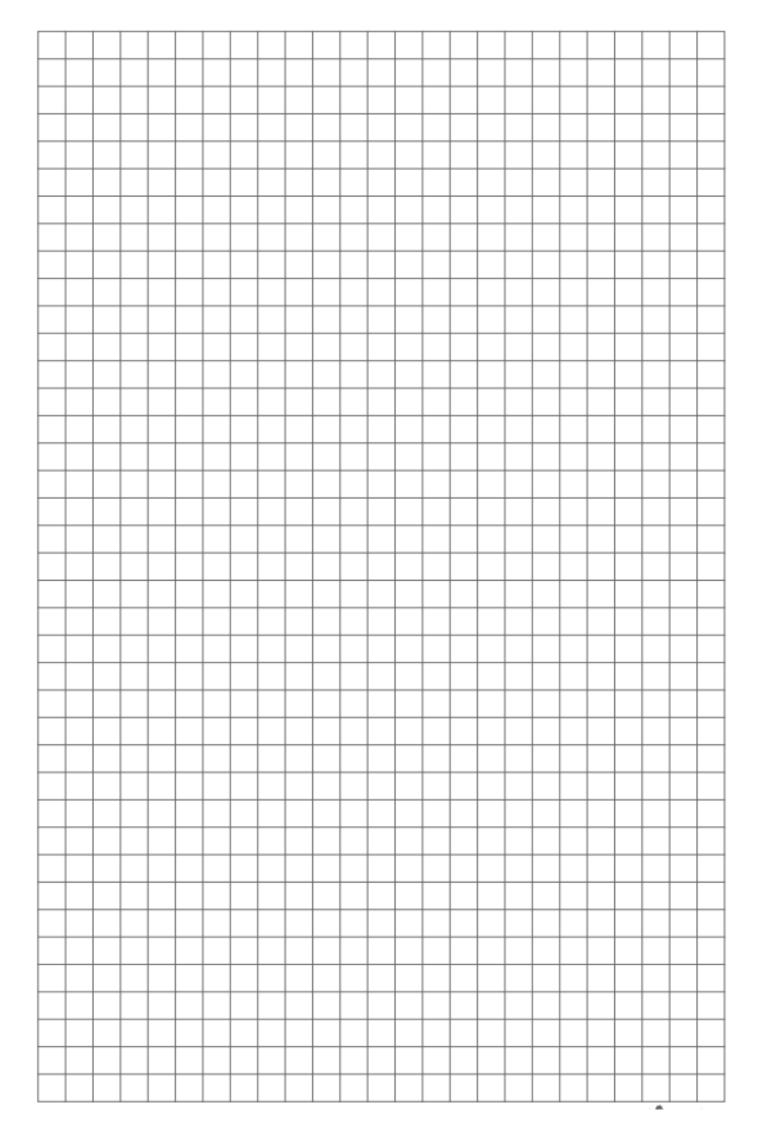
529 × 65 279 × 86 $\frac{300}{\times 73}$

 $\frac{101}{\times 67}$

904 × 51

 $\begin{array}{c} 616 \\ \times 41 \end{array}$

604 × 88 187 × 59 720 × 89 860 × 22



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? Convince met True or False?



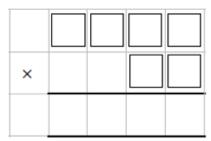
- $5,463 \times 18 = 18 \times 5,463$
- I can find the answer to 1,100 × 28 by calculating 1,100 × 30 and subtracting 2 lots of 1,100
- 702 × 9 = 701 × 10

Convince me!





Place the digits in the boxes to make the largest product.



<u>Answers</u>

 $\frac{162}{1692}$

4: 10

× 77/70

 $\frac{70}{770}$

7: 10 × 65

> 50 60 650

2:

 $\begin{array}{r} 17 \\ \times 75 \\ \hline 85 \end{array}$

 $\frac{119}{1275}$

5:

19 × <u>83</u> 57

 $\frac{152}{1577}$

8:

 $\begin{array}{r}
16 \\
\times 63 \\
\hline
48
\end{array}$

 $\frac{96}{1008}$

3:

 $\frac{80}{850}$

6:

 $\begin{array}{r} 14 \\ \times 91 \\ \hline 14 \end{array}$

 $\frac{126}{1274}$

9:

 $\begin{array}{r}
12 \\
\times \underline{42} \\
24
\end{array}$

48 504

Answers

345x17=5865

904	101	300	279	529
× 51	× 67	× 73	× 86	× 65
904	707	900	1674	2645
45200	6060	21000	22320	31740
46104	6767	21900	23994	34385

 $\begin{array}{r}
616 \\
\times 41 \\
\hline
616 \\
24640 \\
\hline
25256
\end{array}$

 $720 \times 89 \over 6480 \over 57600 \over 64080$

 $\begin{array}{r}
860 \\
\times 22 \\
\hline
1720 \\
17200 \\
\hline
18920
\end{array}$

True

True

False

8432 × 75

Date			
Subject/s		Maths	
Learning Objective	To recall and w	se multiplication and division	ı facts
2 × 2 =	3 × 3 =	4 × 4 =	11 × 10 =
3 × 5 =	6 × 8 =	7 × 5 =	10 x 2 =
4 × 6 =	12 × 5 =	8 x 12 =	$3 \times 12 =$
7 × 4 =	8 × 6 =	10 × 11 =	4 × 9 =
10 × 10 =	10 × 12 =	4 × 2 =	5 x 7 =
9 × 3 =	11 × 2 =	10 × 3 =	9 x 8 =
7 × 2 =	3 x 9 =	6 × 8 =	10 x 7 =
11 × 3 =	4 × 11 =	12 × 10 =	7 × 8 =
10 × 5 =	2 × 5 =	2 × 11 =	4 × 3 =
2 × 4 =	6 × 10 =	8 × 3 =	12 × 4 =
5 × 6 =	10 × 9 =	3 × 4 =	5 x 8 =
7 × 10 =	2 × 12 =	4 × 5 =	8 x 8 =
9 × 2 =	5 × 3 =	7 × 8 =	12 x 2 =
3 × 11 =	9 × 4 =	8 × 10 =	5 x 4 =
10 × 4 =	5 × 5 =	2 x 8 =	9 x 5 =
8 × 5 =	8 × 8 =	8 × 0 =	8 × 11 =
9 × 8 =	9 × 10 =	4 × 12 =	2 × 10 =
4 × 10 =	5 × 2 =	12 × 8 =	4 × 7 =
3 × 2 =	6 × 3 =	3 × 6 =	11 × 5 =
7 × 3 =	6 × 4 =	5 × 10 =	2 × 3 =
4 × 8 =	5 × 11 =	8 × 2 =	8 x 9 =
5 × 9 =	2 × 6 =	3 × 7 =	8 x 4 =
12 × 8 =	3 × 10 =	11 × 4 =	11 × 8 =
2 × 9 =	2 x 7 =	5 × 12 =	12 × 3 =
10 × 8 =	3 × 8 =	0 x 4 =	8 x 7 =

Steps to Success

Date			
Subject/s	<u>Maths</u>		
Learning Objective	To use short division		
		SA (B)	TA A
Success Criteria	I can put the first number inside the bus stop I can put the number I am dividing by on the outside		<u></u>
✓! 🗏	I can write remainders next to correct digits		
Support	Independent Adult Support () Group Work		
Pre-task:			
Calculate using short div	ision.		
5 7 2	5 3 1 9 3 8		
List the multiples of the diviso	ors to help you calculate		

Teacher Led

Watch https://corbettmaths.com/2013/12/28/division-video-98/

186 ÷ 6 = 0 3 1
6 1 18 6
no groups of 6
can be made
$$3 \times 6 = 18$$

96
$$\div$$
 4 = 24
2 4
4 9 1 6

9 \div 4 = 2 r 1
16 \div 4 = 4

$$362 \div 7 = 51 \text{ r5}$$

<u>Fluency</u>

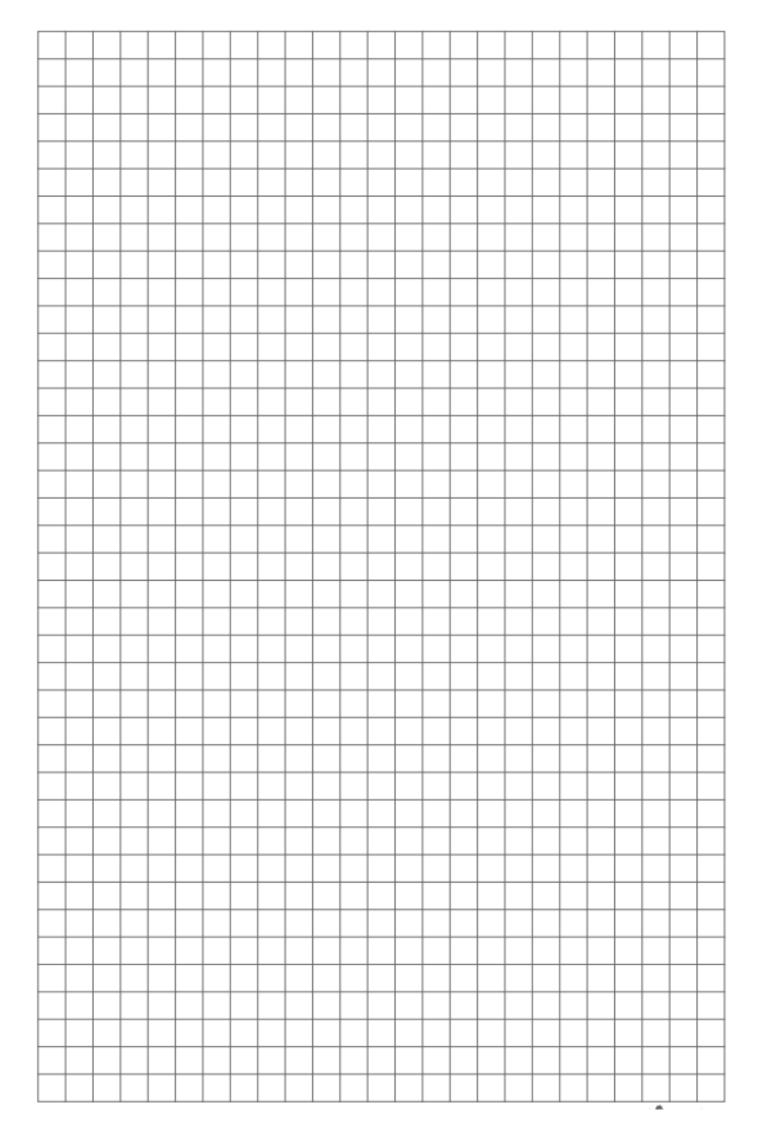
- 7)124
- 4)204
- 6)323
- 5)293

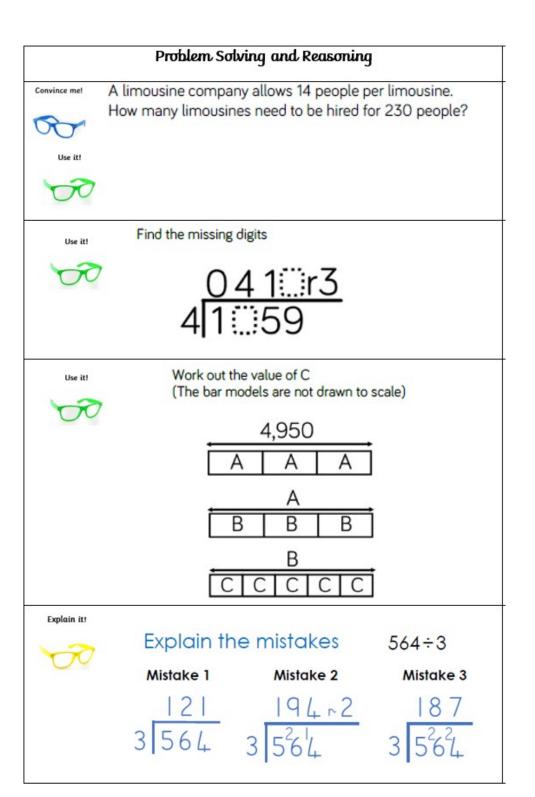
- 5)344
- 8)160
- 6)199
- 3)192

- 9)405
- 2)126
- 9)248
- 4)302

- 9)5385
- 6)3939
- 4)2970
- 5)960

- 3)335
- 7)3927
- 3)2850
- 8)2696





Answers

$$\begin{array}{c} 17 \text{ r} 5 \\ 7)124 \end{array}$$

17 as 16 will not give enough

$$\frac{111 \text{ r}}{3}$$
 335

4,950 ÷ 3 = 1,650

 $1,650 \div 3 = 330$

 $330 \div 5 = 66$

Mistake 1

They didn't add their remainders

Mistake 2

3x9=27 so they can only get 8 into 26

Mistake 3

3x8 = 24 not 3x7

Date	
Subject/s	Maths.
Learning Objective	To recall and use multiplication and division facts

3 × 4 =	7 x 8 =	9 ÷ 3 =	36 ÷ 12 =
21 ÷ 7 =	8 × 6 =	12 × 4 =	10 × 8 =
4 × 8 =	3 × 9 =	4 x 7 =	3 × 11 =
40 ÷ 8 =	15 ÷ 3 =	27 ÷ 9 =	20 ÷ 4 =
4 × 11 =	48 ÷ 6 =	8 ÷ 4 =	6 × 8 =
5 × 8 =	11 × 3 =	5 × 8 =	80 ÷ 10 =
24 ÷ 4 =	88 ÷ 11 =	24 ÷ 3 =	4 × 1 =
72 ÷ 8 =	8 × 4 =	9 × 4 =	8 x 5 =
10 × 3 =	16 ÷ 4 =	8 x 11 =	6 × 4 =
5 × 4 =	32 ÷ 8 =	6 ÷ 3 =	3 ÷ 3 =
12 ÷ 3 =	3 × 6 =	48 ÷ 12 =	44 ÷ 11 =
4 × 9 =	8 ÷ 8 =	3 × 4 =	7 × 3 =
11 × 8 =	4 × 3 =	0 x 8 =	12 x 8 =
3 × 12 =	48 ÷ 8 =	18 ÷ 3 =	28 ÷ 4 =
24 ÷ 8 =	30 ÷ 10 =	3 × 3 =	56 ÷ 7 =
27 ÷ 3 =	8 × 9 =	64 ÷ 8 =	4 × 12 =
7 × 4 =	10 × 4 =	36 ÷ 4 =	5 x 3 =
36 ÷ 9 =	16 ÷ 8 =	8 x 8 =	56 ÷ 7 =
56 ÷ 8 =	8 × 3 =	21 ÷ 3 =	4 × 6 =
3 × 0 =	72 ÷ 9 =	4 × 12 =	32 ÷ 4 =
12 ÷ 4 =	3 × 8 =	96 ÷ 12 =	12 × 3 =
33 ÷ 3 =	4 × 4 =	24 ÷ 8 =	7 × 8 =
6 × 3 =	9 x 8 =	2 × 3 =	9 x 3 =
40 ÷ 4 =	4 ÷ 4 =	11 × 4 =	21 ÷ 3 =
28 ÷ 7 =	3 × 7 =	32 ÷ 8 =	8 x 12 =

Steps to Success

	Steps to Success					
Date						
Subject/s	<u>Maths</u>					
Learning Objective	I can use long division					
		SA Q	TA			
Success Criteria ✓! 🗐	I can put the first number inside the bus stop and the number I am dividing by on the outside e.g. 3640 ÷ 15 = 15 3 6 4 0					
	I can look at the first two digits and calculate how many lots of the divisor gets the closest to the number and subtract e.g. 2x15 = 30 2 153640 - 30 6					
	I can bring the next number down and calculate how many lots of the divisor gets the closest 1 5 3 6 4 0 - 3 0 6 4					
	I can continue the method until I reach the end of the number					
Support	Independent Adult Support () Group Work					
Pre-task: Calculate	1 5 7 3 3 5	-				
I	I					

Teacher Led

Watch https://corbettmaths.com/2020/05/22/long-division-video/

Step 1: "How many times?"

Step 2: "Multiply"

Step 3: "Subtract"

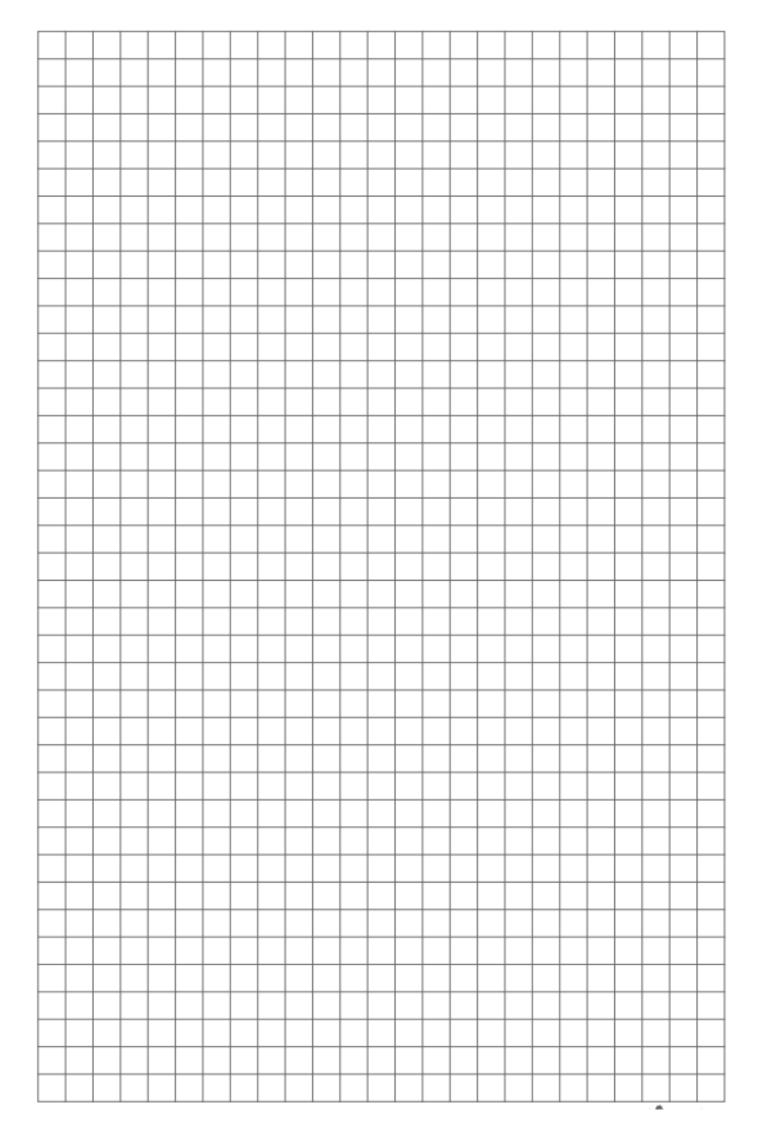
Step 4: "Drop it down"

(repeat steps for each number, left to right)

<u>Fluency</u>

$$70\overline{)9253}$$

$$54\overline{)6687}$$



Problem Solving and Reasoning

Explain it!

Which calculation could be the odd one out below?



- 512 ÷ 16 =
- 672 ÷ 21 =
- 928 ÷ 29 =
- 792 ÷ 24 =

Explain why.

Use it!

Explain the mistake



$$746 \div 16 =$$

Explain it!



Convince me!

Here are six 4-digit numbers.



4,545

[4,554]

(5,445)

5,454

5,544

Which number fits the clues below?

- When divided by 5, there is a remainder of 4
- When divided by 3, the digit total of the answer is the same as the digit total of the number being divided

<u>Answers</u>

101 66 66 076 66 10	<u>r</u> 10	230r9 23 5299 46 69 69 09	44 244 220 24 22 2	3 3 0 3
52 3533 312 413 364 49	<u>r</u> 49	232r11 33 7667 66 106 99 77 66 11	65 252 195 57 52	8 r 5 3 3 2 0 3 3
132R13 70)9253	68 <i>R</i> 54 56)3862	123 <i>R</i> 45 54)6687	139 <i>R</i> 31 - 50)6981	512 + 16 = 32 672 + 21 = 32 928 + 29 = 32 792 + 24 = 33 Possible answers: 928 + 29 is the odd one out because it is the only 3-digit number without a 2 in the ones column. 792 + 24 is the odd one out because it is does not have the answer 32 Instead of writing 10 lots of 16 as 160 they have written 10 lots of 16 as 106 This is therefore the mistake in the calculation.
36R38 67)2450	60 <i>R</i> 78 81)4938	120 <i>R</i> 17 82)9857	37 <i>R</i> 60 76)2872	The first clue cancels out any multiple of 5 so we are left with: $4,554$ $5,454$ $5,454$ When divided by 3 the answers are: $4,554+3 \equiv 1,518$ $5,454+3 \equiv 1,818$ $5,454+3 \equiv 1,848$

5,454 has a digit total of 18 and so does 1,818 therefore the answer is

5,454