

RECALL

What is the 16x tables?

What about the 23 times table?

What quick ways do we have?

L.O. DIVIDE NUMBERS BY 2 DIGITS NUMBERS USING LONG DIVISION (BUS STOP).

- **SOME WILL EVEN:** Use various ways to solve and check sums.
- **SOME WILL:** Split sum into smaller chunks and complete short division.
- **MOST WILL:** Use long division.
- **ALL WILL:** Use partitioning to make the sum easier.

GUIDED PRACTICE – MY TURN

Spot the Mistake

$$855 \div 15 =$$

		0	5	1	0	
1	5	8	5	5		
	—	7	5			
		1	0	5		
	—	1	0	5		
				0		

a) Sofia is working out this sum. What has she done wrong?

b) Can you correct her answer? Don't forget to write out 15 x tables

help



GUIDED PRACTICE – YOUR TURN

Spot the Mistake

$$\begin{array}{r} 150.3 \\ 16 \overline{) 2504.0} \\ \underline{16} \\ 80 \\ \underline{80} \\ 040 \\ \underline{0} \\ 0 \end{array}$$

Arrows indicate the alignment of the numbers: from the 16 in the divisor to the 16 in the first subtraction; from the 0 in the dividend to the 0 in the second subtraction; and from the 4 in the dividend to the 4 in the third subtraction.

a) Sofia is working out this sum. What has she done wrong?

b) Can you correct her answer? Don't forget to write out 16 x tables

help





$$870 \div 15 =$$

$$8700 \div 15 =$$

$$87,000 \div 15 =$$



$$810 \div 18 =$$

$$8118 \div 18 =$$

$$81,180 \div 18 =$$

$$8739 \div 18 =$$



$$6532 \div 46 =$$

$$2592 \div 48 =$$

$$4814 \div 49 =$$

$$4690 \div 51 =$$



How might you do $8118 \div 123$???

Rocket 1

Rocket 2

Rocket 3

58

45

142

580

451

54

5800

4510

98.24

485.5

91.96

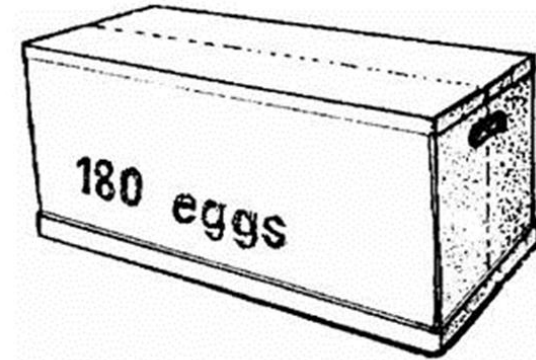
DIVE DEEPER 1

4.

Q6. Eggs are put in **trays** of 12.



The trays are packed in boxes.



Each **box** contains **180 eggs**.

How many **trays** are in each **box**?

1.

Q9. Calculate $816 \div 24$



Show
your
working

2 marks

2. A pencil factory makes 483 pencils in one hour, but 21 are found to be faulty. The pencils are sold in packs for 12. How many packs will be filled by the non-faulty pencils?

3.



Complete this
missing number
calculation:

$$\begin{array}{r} 2 \quad 4 \quad 6 \\ 2 \quad 7 \overline{) 6 \square 4 2} \end{array}$$

5.

Shenaz buys a pack of **24 cans** of cola for **£6.00**



What is the cost of **each can**?



DIVE DEEPER 1

1. 34
2. 38.5
3. 6
4. 15
5. 25p

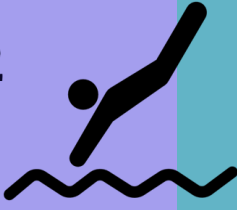
1 Class 6 are calculating three thousand, six hundred and thirty-three divided by twelve.

Rosie says that she knows there will be a remainder without calculating.

Is she correct?

Explain your answer.

DIVE DEEPER 2



3 Marbles are sold in bags of 25. A marble machine produces 1892 marbles per hour. How many bags of 25 marbles can be filled from the marbles made by this marble machine in six hours?

2 576 children and 32 adults need transport for a school trip. A coach holds 55 people.



We need 10 coaches.

Dora



We need 11 coaches.

Eva



We need 12 coaches.

Alex

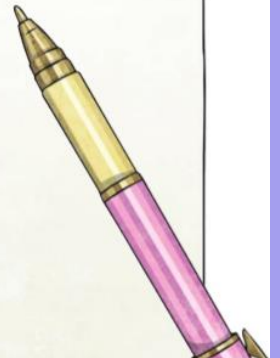
Who is correct? Explain how you know.

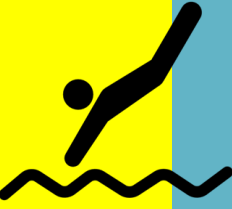
How many spare seats will there be?



Complete this missing number calculation:

$$\begin{array}{r} 266.75 \\ \square 8 \overline{) 7469} \end{array}$$





1. Odd number 302.75
2. 12 coaches as has a remainder
3. 454,08
4. 28