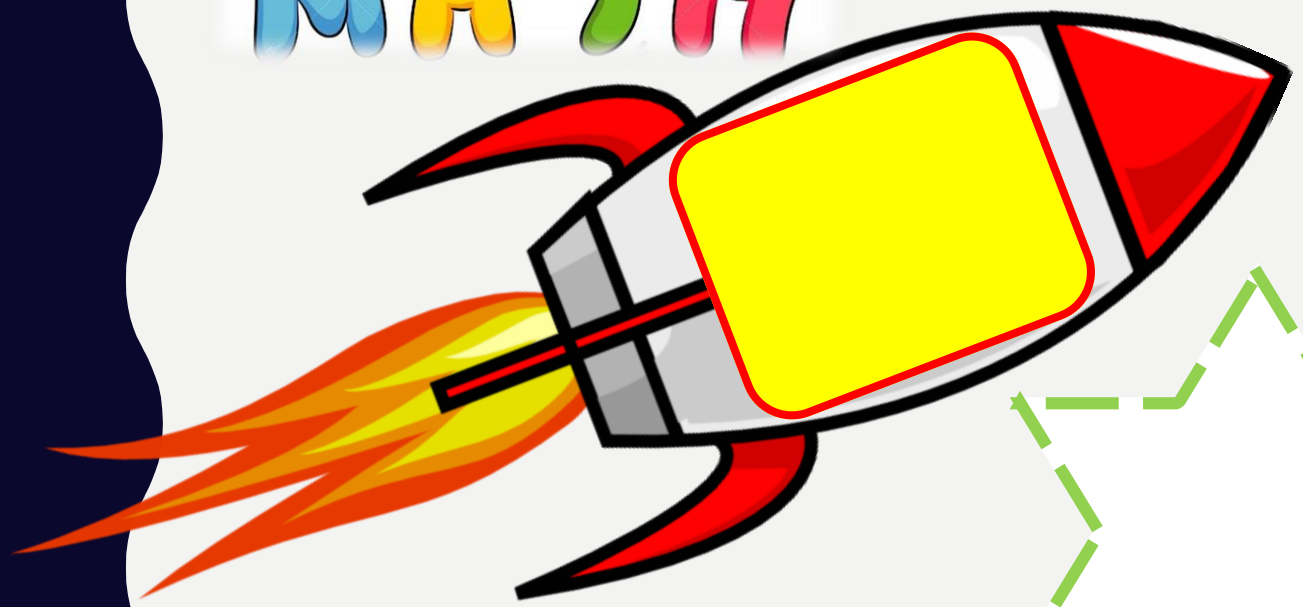


Mathematician of the day!



NAILED IT!
✓

Presentation watch...





Silky's Circle

Non-negotiables

KC SPOTLIGHT

RECALL

Can you list multiples for:

43

34

63

Listing multiples of 2-digit numbers

List the multiples of 24

Partitioning

20 + 4 = 24

40 + 8 = 48

60 + 12 = 72

80 + 16 = 96

100 + 20 = 120

Repeated addition

24
+ 24
48
+ 24
72
+ 24
96
+ 24
120

RECALL

43

40	3	43
80	6	86
120	9	129
160	12	172
200	15	215
240	18	258
280	21	301
320	24	344
360	27	387
400	30	430

34

30	4	34
60	8	68
90	12	102
120	16	136
150	20	170
180	24	204
210	28	238
240	32	272
270	36	306
300	40	340

63

60	3	63
120	6	126
180	9	189
240	12	252
300	15	315
360	18	378
420	21	441
480	24	504
540	27	567
600	30	630

RECALL

$11 \overline{)781}$

$25 \overline{)2575}$

$11 \overline{)1089}$

$25 \overline{)249975}$

L.O. DIVIDE NUMBERS UP TO 4 DIGITS BY A 2-DIGIT NUMBER USING THE FORMAL WRITTEN METHOD OF SHORT/LONG DIVISION, INTERPRETING REMAINDERS ACCORDING TO THE CONTEXT.

- SOME WILL EVEN: Use written method to solve problems.
- SOME WILL: Find quicker ways to calculate.
- MOST WILL: Use short/long division.
- ALL WILL: Use known multiplication facts to aid calculation.

MY TURN



1 a) The race is split into 25 equal stages. How long in km is each stage?

b) How would you deal with a remainder to get an accurate answer in this situation?

help

Use bar modelling / long division to help you.





APE

YOUR TURN



1 a) The race is split into 26 equal stages. How long in km is each stage?

b) How would you deal with a remainder to get an accurate answer in this situation?

help

Use a list of multiples and long division to help you.



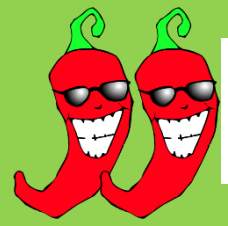


APE

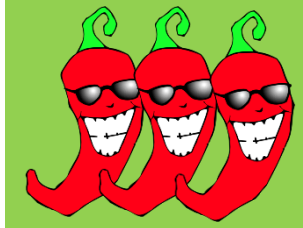
Intelligent Practise



1. 3509 ÷ 11 =
2. 4173 ÷ 13 =
3. 6734 ÷ 14 =
4. 7956 ÷ 12 =
5. 8070 ÷ 15 =



4) $17\overline{)6009}$ 5) $28\overline{)5197}$ 6) $46\overline{)8253}$



Give your remainder as a decimal...

2364 ÷ 24 =

1967 ÷ 35 =

3753 ÷ 54 =



What have I done wrong?

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



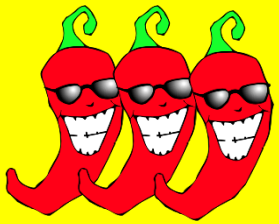
1	**319**
2	**321**
3	**481**
4	**663**
5	**538**



4) $17\overline{)6009}$ = 353 r8

5) $28\overline{)5197}$ = 185 r17

6) $46\overline{)8253}$ = 179 r19



$2364 \div 24 = 98.5$

$1967 \div 35 = 56.2$

$3753 \div 54 = 69.5$

$16\overline{)2504.0}$ = 150.3

16

80

80

40

0



25 – 16 = 9 not 8, 40 ÷ 16 = 2r8 not 3

156.5

Complete sats examples

Q1. 24

Q2.

Award **TWO** marks for the correct answer of £5.75

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- £6.75 × 3 = £20.25

£20.25 + £8.50 = £28.75
£28.75 ÷ 5

*Answer need not be obtained for the award of **ONE** mark.*

Q3.

Award **TWO** marks for the correct answer of 25p **OR** £0.25 **OR** 25 pence.

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg 600 ÷ 24 = wrong answer.

*Accept £0 25 **OR** £0.25p **OR** £0 25p **OR** 25 **OR** 0.25 **OR** £0-25.*

*Calculation must be performed for the award of **ONE** mark.*

Q4.

Award **TWO** marks for a correct answer of 15

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg

180 ÷ 12 = wrong answer

*Calculation must be performed for the award of **ONE** mark.*

Q5.

Award **TWO** marks for the correct answer of 60

If the answer is incorrect, award **ONE** mark for evidence of appropriate
method, eg

800 – 500 = 300

300 ÷ 5

Q6.

(a) £14.40

***Do not** accept £14.4*

(b) 20

***Do not** accept £20*

Q7.

Calculation completed correctly as shown:

6	**3**	×	**6**	=	3	7	8

OR

5	**4**	×	**7**	=	3	7	8

OR

4	**2**	×	**9**	=	3	7	8

Q8.

Award **TWO** marks for the correct answer of £1.68

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- 20 − 14.96 = 5.04
  5.04 ÷ 3

*Accept for **ONE** mark an answer of £168 OR £168p as evidence of an appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

Q9.

(a) 9

(b) 45%

Q10. 20

I know... so...

228 ÷ 6 = 38 228 ÷ 3 = ☐	**423 ÷ 3 = 141** 846 ÷ 6 = ☐	**413 ÷ 7 = 59** 483 ÷ 7 = ☐
320 ÷ 8 = 40 304 ÷ 8 = ☐	**534 ÷ 6 = 89** 564 ÷ 6 = ☐	**213 ÷ 3 = 71** 639 ÷ 3 = ☐



Small Difference Questions

384 ÷ 12 = ☐	1664 ÷ 8 = ☐
384 ÷ 24 = ☐	832 ÷ 4 = ☐
396 ÷ 24 = ☐	832 ÷ 16 = ☐
396 ÷ 12 = ☐	912 ÷ 16 = ☐
336 ÷ 12 = ☐	920 ÷ 16 = ☐
339 ÷ 12 = ☐	920 ÷ 8 = ☐

Extend: *Think of two more questions for each sequence.*