Arithmetic warm up

multiples of...

3 7

Arithmetic warm up

multiples of...

86

Arithmetic warm up

multiples of...

86		
80	6	86
160	12	172
240	18	258
320	24	344
400	30	430
480	36	516
560	42	602
640	48	688
720	54	774
800	60	860

Arithmetic warm up

squared and cubed numbers

$8^2 = 8 \times 8 = 64$

$2^3 = 2 \times 2 \times 2 = 8$

Arithmetic warm up

using known number facts

questions

30 x 4 = 0.7 x 5 =

known facts

3 x 4 = 12 7 x 5 = 35

answers

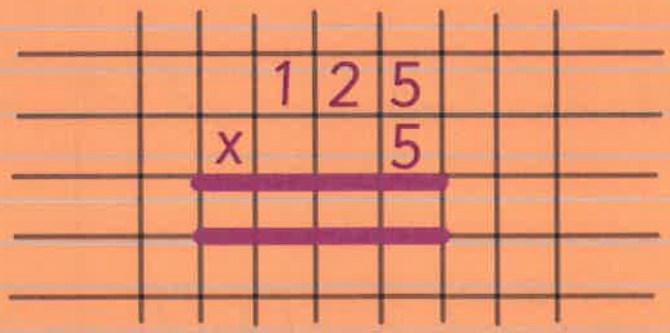
30 x 4 = 120 0.7 x 5 = 3.5

Arithmetic warm up

e.g. times X multiply

125 x 5 = lots of

Formal method

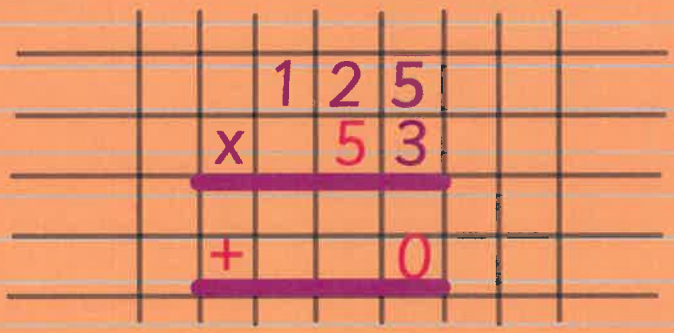


Short multiplication

Arithmetic warm up

e.g. times X multiply

125 x 53 = lots of



Formal method

long multiplication

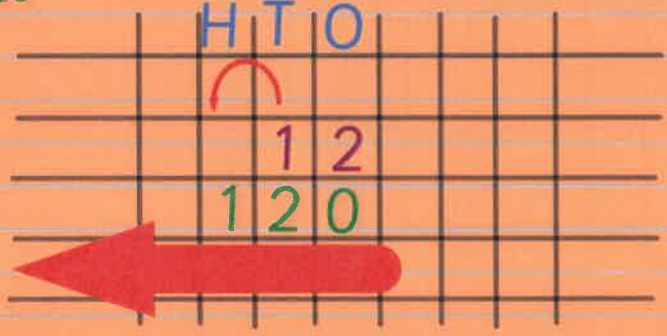
Arithmetic warm up

times **x10** multiply

e.g.

12 x 10 = 120

lots of



moving 1 column for one 0

Larger to left

Arithmetic warm up

times x100 multiply

e.g.

12 x 100 = 1200

lots of

moving 2 columns for two 0s

Larger to left

Arithmetic warm up

times x1000 multiply

e.g.

lots of

moving 3 columns for three 0s

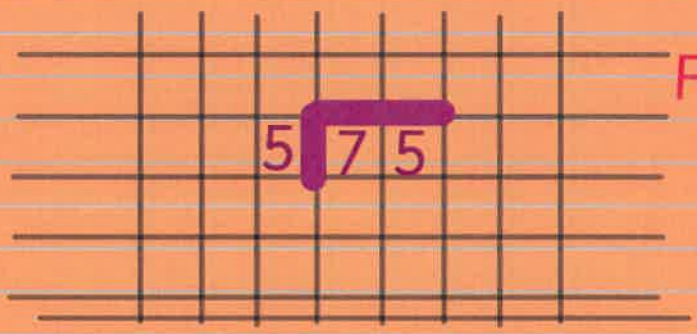
12 x 1000 = 12000

Larger to left

Arithmetic warm up

e.g. shared ÷ divided by

75 ÷ 5 = split into



Formal method

Bus stop

Arithmetic warm up

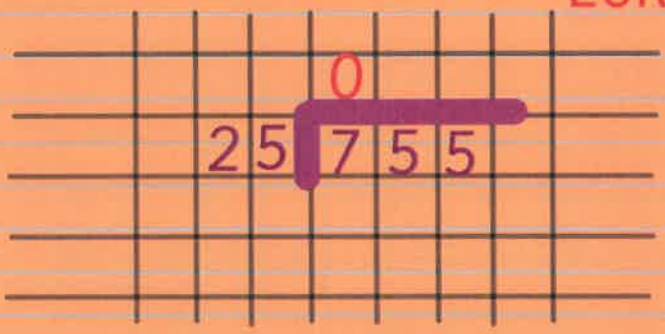
e.g. shared ÷ divided by

755 ÷ 25 = split into

Long method

25

20	5	25
40	10	50
60	15	75
80	20	100



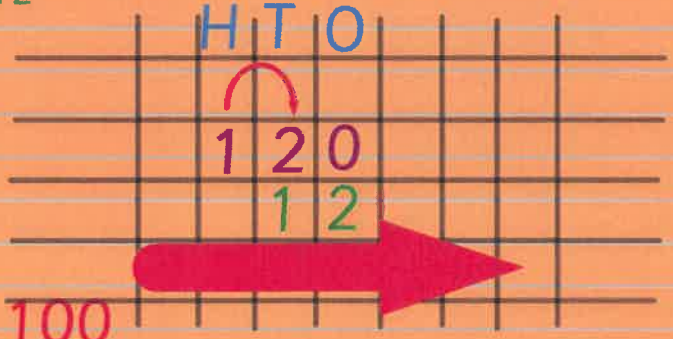
Arithmetic warm up

shared ÷ 10 divided by

e.g.

120 ÷ 10 = 12

split into



moving 1 column for one 0

Reduce to right

80 20 100

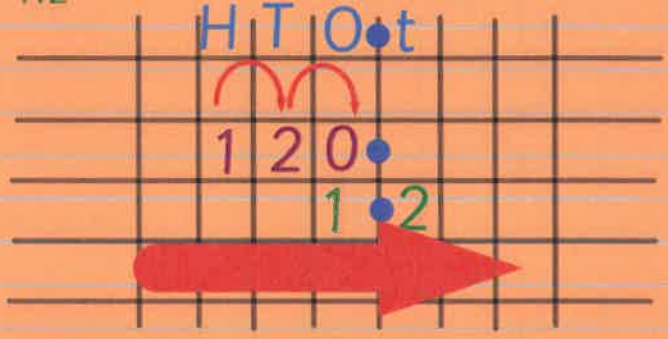
Arithmetic warm up

shared ÷ 100 divided by

e.g.

120 ÷ 100 = 1.2

split into



moving 2 column for two 0s

Reduce to right

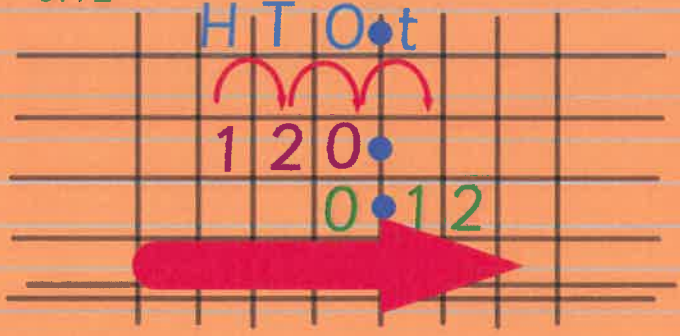
Arithmetic warm up

÷1000 shared divided by

e.g.

120 ÷ 1000 = 0.12

split into



moving 3 column for three 0s

Reduce to right

Arithmetic warm up

B.O.D.M.A.S

Brackets

squared or cubed

division multiplication

addition subtraction

first

last

Arithmetic warm up

B.O.D.M.A.S

Brackets
squared or cubed
division multiplication
addition subtraction

first
last

$5 + 4^2 - 16 =$

$11 + 4 \times 5 =$

Arithmetic warm up

decimals:

- line up decimals for + or -

$5 - 3.97 =$

$$\begin{array}{r} 5 \\ -\ 3.97 \\ \hline \end{array}$$

- don't line up for x, only the answer

$3.4 \times 45 =$

$$\begin{array}{r} 45 \\ \times\ 3.4 \\ \hline 153.0 \end{array}$$

Arithmetic warm up

fractions: adding/subtracting

$$\frac{1}{6} + \frac{4}{6} =$$

$$\frac{1}{3} + \frac{4}{8} =$$

$$2\frac{1}{6} - \frac{4}{6} =$$

Arithmetic warm up

fractions: adding/subtracting - mixed number or improper fractions

$$3\frac{1}{3} + 1\frac{4}{8} =$$

Arithmetic warm up

fractions: multiplying fraction by fraction

$$\frac{1}{6} \times \frac{4}{6} =$$

$$\frac{1}{3} \times \frac{4}{8} =$$

$$\frac{1}{6} \times 3\frac{4}{6} =$$

Arithmetic warm up

fractions: multiplying fraction by a whole number

$\frac{1}{6} \times 4 =$

$3 \times 2\frac{4}{8} =$

Arithmetic warm up

fractions: fraction divided by a whole number

$\frac{1}{6} \div 4 =$

$\frac{6}{8} \div 3 =$

Arithmetic warm up

percentages:

10% = ÷10 25% = ÷4 or halve halve again

1% = ÷100 99% = 1% and subtract from the whole

5% = ÷10 ÷2

50% = ÷2

Arithmetic warm up

percentages: 10% = ÷10 25% = ÷4 or halve halve again

1% = ÷100 99% = 1% and subtract from the whole

5% = ÷10 ÷2

50% = ÷2

__% of 480 =