Hello Year 6,

For this last session before half term, I thought we could look at a range of questions that cover the topics we have been looking at this half term.

The answers follow the questions, see how many you can do – before you check your answers.

Hope you have a nice break at half term.

Hopefully, I will see you in person soon.

Mrs Yeandle

Feb 8-09:57

Write the missing number to make this **division** correct.

$$75 \div \boxed{} = 7.5$$

Feb 8-10:05

The children at Farmfield School are collecting money for charity.
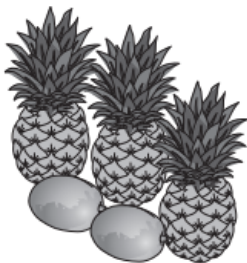
Their target is to collect £360

So far they have collected £57.73

How much **more** money do they need to reach their target?

£ _____

3 pineapples cost the same as 2 mangoes.

One mango costs £1.35

How much does **one** pineapple cost?

£ _____

In each box, circle the number that is **greater**.

$1\frac{1}{2}$ 1.2

$1\frac{1}{4}$ 1.3

$1\frac{5}{100}$ 1.4
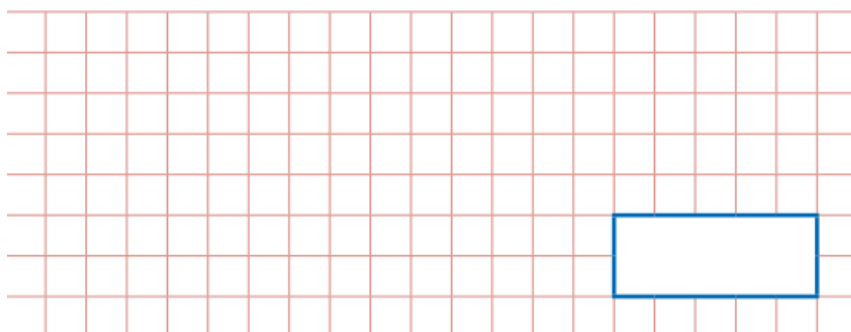
$1\frac{3}{5}$ 1.5

Feb 8-10:09

$100 \times 412 =$
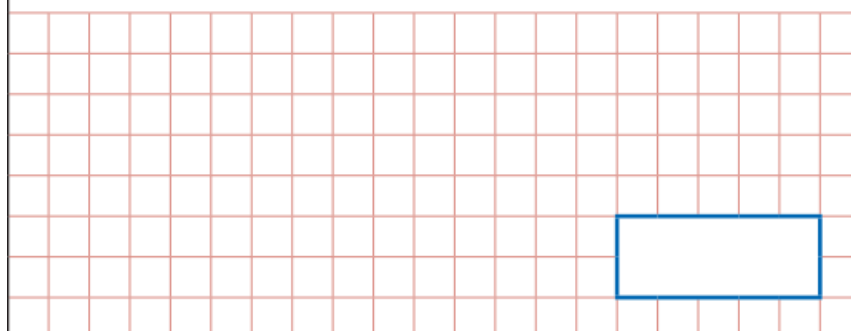
Feb 8-10:09

3.005 + 6.12 =

Feb 8-10:10

20% of 1,800 =

Feb 8-10:10

$15\% \times 440 =$
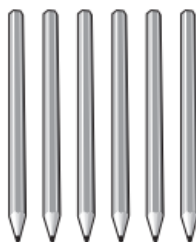
Write the two missing values to make these equivalent fractions correct.

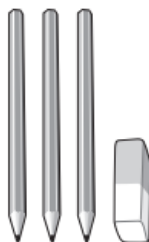$$\frac{\Box}{3} = \frac{8}{12} = \frac{4}{\Box}$$

6 pencils cost **£1.68**

3 pencils and 1 rubber cost **£1.09**
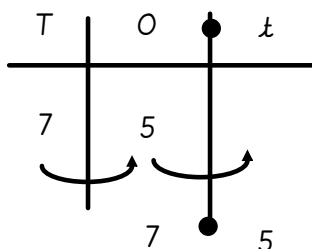
What is the cost of **1 rubber**?

Feb 8-10:13

Write the missing number to make this **division** correct.

$$75 \div \boxed{10} = 7.5$$

T | O • t
7 | 5
  7 • 5

One place value to the right means the number has been divided by 10.

Feb 8-10:05

The children at Farmfield School are collecting money for charity.

Their target is to collect £360

So far they have collected £57.73

How much **more** money do they need to reach their target?

$$
\begin{array}{r}
3\,6\,0\,.\,0\,0 \\
-\ \ \ 5\,7\,.\,7\,3 \\
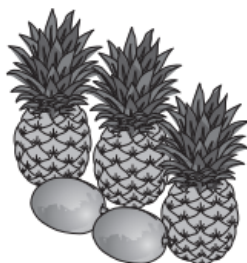\hline
3\,0\,2\,.\,2\,7
\end{array}
$$

£ 302.27

Tip: Give yourself 2 decimal places using zero as place holders

Feb 8-10:06

3 pineapples cost the same as 2 mangoes.

One mango costs £1.35

How much does **one** pineapple cost?

3 pineapples = 1.35 X 2 = £2.70

$$
\begin{array}{r}
0\,.\,9\,0 \\
3\,\overline{)2\,.\,{}^27\,0}
\end{array}
$$

£ 0.90

Feb 8-10:08

7

In each box, circle the number that is **greater**.

$1\frac{1}{2}$ 1.2

$1\frac{5}{10}$ $1\frac{2}{10}$

$1\frac{1}{4}$ 1.3

1.25

$1\frac{5}{100}$ 1.4

1.05

$1\frac{3}{5}$ 1.5

$1\frac{6}{10}$ $1\frac{5}{10}$

Feb 8-10:09

100 × 412 =

HTh	TTh	Th	H	T	O
			4	1	2

41,200

When we X 100 all digits move 2 places to the left

$3.005 + 6.12 =$ *(be thinking 3 + 6 is 9)*

```
  3 . 0 0 5
  6 . 1 2 0
  9 . 1 2 5
```

Place holder!

9.125

Feb 8-10:10

20% of $1,800 =$

10% of $1800 = \dfrac{1}{10}$ of 1800

$1800 \div 10 = 180$

$10\% + 10\% = 20\%$

360

$180 + 180 = 360$

Feb 8-10:10

$15\% \times 440 =$

$10\% \text{ of } 440 = \frac{1}{10} \text{ of } 440$

$440 \div 10 = 44$

If $10\% = 44$

$5\% = \text{half of } 44 = 22$

$44 + 22 = 66$

66

Feb 8-10:11

Write the two missing values to make these equivalent fractions correct.

divided by 2

$$\frac{2}{3} = \frac{8}{12} = \frac{4}{6}$$

divided by 4

Feb 8-10:12

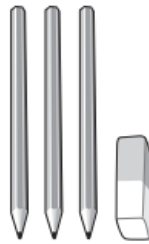6 pencils cost **£1.68**

3 pencils are half the price

of £1.68

$$\frac{0.84}{2\,\overline{)1.^{1}68}}$$

3 pencils and 1 rubber cost **£1.09**

$$
\begin{array}{r}
1.09 \\
-\ 0.84 \\
\hline
0.25
\end{array}
$$

What is the cost of **1 rubber**?

Feb 8-10:13

Thank you Year 6

Remember - you can email photographs of your work to

UKS2parents@epcollier.reading.sch.uk

Feb 8-11:33