

Rank by difficulty

$$693 \div 7$$

$$300 \div 7$$

$$287 \div 7$$

$$5600 \div 7$$

Rank by difficulty

$$200 \div 24$$

$$500 \div 24$$

$$120 \div 24$$

$$72 \div 24$$

I know... so...

$$78 \div 6 = \underline{\quad}$$

$$74 \div 6 = 12 \text{ remainder } 2$$

$$\underline{\quad} \div 6 = 11 \text{ remainder } 5$$

I know... so...

$$288 \div 12 = \underline{\quad}$$

$$300 \div 12 = 25$$

$$\underline{\quad} \div 12 = 25\frac{1}{6}$$

I know... so...

$$45 \div 8 = \underline{\hspace{2cm}}$$

$$46 \div 8 = 5\frac{3}{4}$$

$$\underline{\hspace{2cm}} \div 8 = 6\frac{1}{8}$$

Explain the mistakes

$$564 \div 3$$

Mistake 1

$$\begin{array}{r} 121 \\ 3 \overline{) 564} \end{array}$$

Mistake 2

$$\begin{array}{r} 194 \text{ r } 2 \\ 3 \overline{) 5^2 6^1 4} \end{array}$$

Mistake 3

$$\begin{array}{r} 187 \\ 3 \overline{) 5^2 6^2 4} \end{array}$$

Explain the mistakes $544 \div 16$

Mistake 1

$$\begin{array}{r}
 16 \overline{) 544} \\
 \underline{-480} \quad (16 \times 30) \\
 164 \\
 \underline{-160} \quad (16 \times 10) \\
 4 \\
 = 40 \text{ r } 4
 \end{array}$$

Mistake 2

$$\begin{array}{r}
 16 \overline{) 544} \\
 \underline{-480} \quad (16 \times 30) \\
 64 \\
 \underline{-54} \quad (16 \times 4) \\
 10 \\
 = 34 \text{ r } 10
 \end{array}$$

Explain the mistakes $3432 \div 24$

Mistake 1

$$\begin{array}{r}
 43 \\
 24 \overline{) 3432} \\
 \underline{24} \downarrow \downarrow \\
 103 \\
 96 \\
 \underline{72} \\
 72
 \end{array}$$

Mistake 2

$$\begin{array}{r}
 13 \\
 24 \overline{) 3432} \\
 \underline{24} \downarrow \downarrow \\
 103 \\
 72 \\
 \underline{312} \\
 ?
 \end{array}$$

Form of answer

It took Fiona 93 hours to write a children's book. She worked for 12 days. On average, how long did she spend writing each day?

- (a) 7.9 hours**
- (b) 8 hours**
- (c) 7 hours 45 minutes**

Form of answer

$$\begin{array}{r} 13 \text{ r } 4 \\ 6 \overline{) 82} \end{array}$$

Question	Answer
Eggs are packed in boxes of 6. The farmer has 82 eggs. How many boxes does he need?	14 boxes
A sunflower grows to a height of 82cm in 6 weeks. On average, how many centimetres does it grow each week?	
82 children turn up for a 6-a-side football tournament. How many teams can be made? Teams can have substitutes.	
An artist works on a masterpiece for 82 hours over 6 days. On average, how long does she work each day?	

Broken calculator

'The 7 and 5 keys on my calculator are broken!'

How can I use it to work out:

$$160 \div 5$$

$$72 \div 4$$

True or false?

'It's impossible to divide a number by 3 more than twice without leaving a remainder.'

Explain using examples.

How many ways?

$$60 \div \underline{\quad} = 12 \div \underline{\quad}$$

Complete using positive whole numbers.

Level 1: I can find a way

Level 2: I can find different ways

Level 3: I know how many ways there are

How many ways?

Level 1: complete using digits 0-9.

$$\square\square \div \square = \square \text{ remainder } \square$$

Level 2: complete, using the 7 as 2 as shown.

$$\square\square \div 7 = \square \text{ remainder } 2$$

Level 3: how many ways can level 2 be done?

How many ways?

Complete using digits 0-9. Position the digits 1, 2 and 4 as shown.

$$\square\square \div 4 = \square \frac{1}{2}$$

Level 1: I can find a way

Level 2: I can find different ways

Level 3: I know how many ways there are