

Long division (1)

- 1 Use these multiples of 13 to complete the long divisions.

13	26	39	52	65	78	91	104	117
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$$\begin{array}{r} 0\ 2\ 1 \\ \hline 13 | 2\ 7\ 3 \\ 2\ 6\ 0 \\ \hline 1\ 3 \\ 1\ 3 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 3\ 4 \\ \hline 13 | 4\ 4\ 2 \\ 3\ 9\ 0 \\ \hline 0\ 5\ 2 \\ 5\ 2 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6\ 1 \\ \hline 13 | 7\ 9\ 3 \\ 7\ 8\ 0 \\ \hline 1\ 3 \\ 1\ 3 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6\ 7 \\ \hline 13 | 8\ 7\ 1 \\ 7\ 8\ 0 \\ \hline 9\ 1 \\ 9\ 1 \\ \hline 0 \end{array}$$

- 2 a) Complete the number track with multiples of 23

23	46	69	92	115	138	161	184	207
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- b) Calculate $943 \div 23 =$

$$\begin{array}{r} 4\ 1 \\ \hline 23 | 9\ 4\ 3 \\ 9\ 2\ 0 \\ \hline 2\ 3 \\ 2\ 3 \\ \hline 0 \end{array}$$

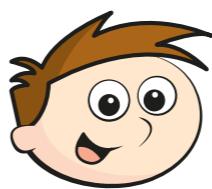
- c) Calculate $345 \div 23 =$

$$\begin{array}{r} 1\ 5 \\ \hline 23 | 3\ 4\ 5 \\ 2\ 3\ 0 \\ \hline 1\ 1\ 5 \\ 1\ 1\ 5 \\ \hline 0 \end{array}$$

- d) Calculate $621 \div 23 =$

$$\begin{array}{r} 2\ 7 \\ \hline 23 | 6\ 2\ 1 \\ 4\ 6\ 0 \\ \hline 1\ 6\ 1 \\ 1\ 6\ 1 \\ \hline 0 \end{array}$$

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$$\begin{array}{r} 2\ 3 \\ \hline 3\ 9\ 1 \\ 3\ 4 \\ \hline 5\ 1 \\ 5\ 1 \\ \hline 0 \end{array}$$

What is the missing number in Teddy's division?

- 4 Tick the cards that give the same answer.

$2,730 \div 35$



$2,088 \div 24$



$2,418 \div 31$



$2730 \div 35 = 78$

$2088 \div 24 = 87$

$2418 \div 31 = 78$

- 5 Amir is making flags. He sews 19 stars and 31 hearts onto each flag. He has 589 stars and 899 hearts.

How many flags can he complete?

$$589 \div 19 = 31$$

$$899 \div 31 = 29$$

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- 6 a) Complete the calculation.

$$168 \times 5 = \boxed{24} \times 35$$

- b) Describe two different ways to find the answer to part a).

$$168 \times 5 = 840$$

$$\frac{840}{\div 7} = 24$$

$$168 \times 5 = \boxed{\square} \times 35$$

$$\times 7$$

$$168 \div 7 = 24$$

- 7 Here are some of the multiples of 41

$$1 \times 41 = 41$$

$$6 \times 41 = 246$$

$$2 \times 41 = 82$$

$$7 \times 41 = 287$$

$$3 \times 41 = 123$$

$$8 \times 41 = 328$$

$$4 \times 41 = 164$$

$$9 \times 41 = 369$$

$$5 \times 41 = 205$$

$$10 \times 41 = 410$$

Use these multiples of 41 to complete the calculations.



a) $861 \div 41 = \boxed{21}$

$$\begin{array}{r} 21 \\ 41 \overline{)861} \\ -820 \\ \hline 41 \\ -41 \\ \hline 0 \end{array}$$

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b) $943 \div \boxed{23} = 41$

$$\begin{array}{r} 23 \\ 41 \overline{)943} \\ -820 \\ \hline 123 \\ -123 \\ \hline 0 \end{array}$$

23

c) $\boxed{28577} \div 41 = 697$

$$\begin{array}{r} 28577 \\ 41 \overline{)28577} \\ -2840 \\ \hline 177 \\ -161 \\ \hline 16 \end{array}$$

28,577