

Dividing a 2-digit number by a 1-digit number

When dividing a 2-digit number by a 1-digit number, we use both mental and written methods.

$$\begin{aligned} 96 \div 6 &= (60 + 36) \div 6 \\ &= 10 + 6 \\ &= 16 \end{aligned}$$

$$96 \div 6$$

6

60	36
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 \rightarrow 6




10	6
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$$\begin{array}{r} 16 \\ 6 \overline{)96} \\ \underline{-60} \quad (10 \times 6) \\ 36 \\ \underline{-36} \quad (6 \times 6) \\ 0 \end{array}$$

$$\begin{array}{r} 16 \\ 6 \overline{)96} \end{array}$$

1 For each of these division calculations:

- estimate the answer
- work out the answer
- use a different method to check your answer.

	1st calculation	2nd calculation
$84 \div 6 =$ <div style="text-align: center;">Estimate </div>		
$76 \div 4 =$ <div style="text-align: center;">Estimate </div>		
$72 \div 3 =$ <div style="text-align: center;">Estimate </div>		

2 Arrange each pair of digits to make a division calculation, then work out the answer.

6
8

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 \div

2

 $=$

--

6
9

--	--

 \div

3

 $=$

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- 3 Divide each blue number by a red number to give an answer that is a green number. Draw lines to link the red number to the blue number and the green number.

65	3	14
98	6	18
54	7	13
76	5	14
84	4	19

- 4 Use the digits 2 to 9 to complete each of these calculations. Each digit can only be used once.

2	3	4	5	6	7	8	9
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$$52 \div \square = 13$$

$$50 \div \square = 25$$

$$99 \div \square = 11$$

$$72 \div \square = 24$$

$$90 \div \square = 18$$

$$91 \div \square = 13$$

$$78 \div \square = 13$$

$$96 \div \square = 12$$

In real life, most division situations involve a remainder. This often results in having to round up or down depending on the situation. Ask your child questions involving remainders, e.g. '87 children are going on a coach trip. Each coach holds 32 children. How many coaches are needed?'