

Lesson 3: Written method of division (2)

- Estimate and divide 2-digit numbers by 1-digit numbers using a written method

1 Find the quotient. Don't forget the remainder.

a $45 \div 6 =$ b $20 \div 7 =$ c $15 \div 8 =$

d $30 \div 9 =$ e $25 \div 6 =$ f $31 \div 4 =$

2 Complete these calculations.

a $\div$ = r b $\div$ = r c $\div$ = r

$$\begin{array}{r} 6 \overline{) 76} \\ - 60 \\ \hline 16 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \overline{) 79} \\ - 60 \\ \hline 19 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \overline{) 81} \\ - 70 \\ \hline 11 \\ - 7 \\ \hline \end{array}$$

3 a Explain how you divide 92 by 8.

Write the calculation using the expanded written method.

b Explain how you divide 89 by 7.

Write the calculation using the expanded written method.

4 Find the quotients. Use the expanded written method.

a $73 \div 6 =$

b $79 \div 6 =$

c $83 \div 7 =$

d $85 \div 7 =$

5 Benji works out that $85 \div 8 = 10 \text{ r } 5$.

He says: 85 must be 5 away from a multiple of 8.

Do you agree? ☐ Why?

6 Bobby and Sunita have completed the same division.

Bobby

Sunita

$$\begin{array}{r} 12 \text{ r } 3 \\ 7 \overline{) 87} \\ - 70 \\ \hline 17 \\ - 14 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 11 \\ 7 \overline{) 87} \\ - 80 \\ \hline 7 \end{array}$$

Tick the correct answer.

What is wrong with the other answer?

You do

Date: _____

