

Year 6 Long Division

Choose your challenge!

Either divide by 1-digit numbers or divide by 2-digit numbers – or do a combination of the two. (Complete at least 2 groups).

Dividing by 1-digit numbers



- 1) Divide
- 2) Multiply
- 3) Subtract
- 4) Bring it down...
- 5) ... and bring it on back!

$$\begin{array}{r}
 324 \\
 2 \overline{) 648} \\
 \underline{-6} \\
 04 \\
 \underline{-4} \\
 08 \\
 \underline{-8} \\
 0
 \end{array}$$

Group 1

- a) $626 \div 2 =$
- b) $734 \div 2 =$
- c) $702 \div 3 =$
- d) $568 \div 4 =$
- e) $1,775 \div 5 =$

Group 2

- a) $1,572 \div 3 =$
- b) $1,016 \div 4 =$
- c) $3,740 \div 5 =$
- d) $1,944 \div 6 =$
- e) $2,889 \div 9 =$

Group 3

- a) $2,580 \div 4 =$
- b) $2,790 \div 6 =$
- c) $2,975 \div 7 =$
- d) $5,400 \div 8 =$
- e) $6,183 \div 9 =$

Dividing by 2-digit numbers



- 1) List multiples of the divisor (are you going to do repeated addition or partition and add?)
- 2) Divide
- 3) Multiply
- 4) Subtract
- 5) Bring it down...
- 6) ... and bring it on back!

$$\begin{array}{r}
 00543 \\
 24 \overline{) 13032} \\
 \begin{array}{l}
 1 - 24 \\
 2 - 48 \\
 3 - 72 \\
 4 - 96 \\
 5 - 120 \\
 6 - 144
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 103 \\
 \underline{-96} \\
 72 \\
 \underline{-72} \\
 00
 \end{array}$$

Group 1

- a) $2,574 \div 11 =$
- b) $1,476 \div 12 =$
- c) $2,982 \div 21 =$
- d) $7,062 \div 22 =$
- e) $6,165 \div 15 =$

Group 2

- a) $4,096 \div 16 =$
- b) $4,488 \div 17 =$
- c) $2,628 \div 18 =$
- d) $6,764 \div 19 =$
- e) $12,350 \div 26 =$

Group 3

- a) $13,528 \div 38 =$
- b) $18,473 \div 49 =$
- c) $28,324 \div 97 =$
- d) $10,147 \div 73 =$
- e) $46,182 \div 86 =$