

Short division– question 11

Sheet 1

Use short division with decimal remainders

$24 \div 4 = 6$

Labels: *divisor* (4), *quotient* (6), *dividend* (24)

$625 \div 4 =$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r} 156 \\ 4 \overline{) 625} \\ \underline{4} \\ 22 \\ \underline{20} \\ 25 \\ \underline{20} \\ 5 \end{array}$$

2) When you reach the last digit, add a decimal point to the dividend and a decimal point to the quotient.

$$\begin{array}{r} 156. \\ 4 \overline{) 625.0} \\ \underline{4} \\ 22 \\ \underline{20} \\ 25 \\ \underline{20} \\ 50 \\ \underline{40} \\ 10 \end{array}$$

3) Continue the division, adding more zeroes to the dividend if needed.

$$\begin{array}{r} 156.25 \\ 4 \overline{) 625.00} \\ \underline{4} \\ 22 \\ \underline{20} \\ 25 \\ \underline{20} \\ 50 \\ \underline{40} \\ 10 \\ \underline{8} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

You can check by doing short multiplication.

$$156.25 \times 4 = 625 \quad \checkmark$$

$8 \overline{) 1256}$

$9 \overline{) 7263}$

$4 \overline{) 1520}$

$5 \overline{) 2090}$

$6 \overline{) 3654}$

$8 \overline{) 1040}$

$7 \overline{) 4620}$

$3 \overline{) 1590}$

Short division– question 11

Sheet 2

Use short division with decimal remainders

$24 \div 4 = 6$

divisor: 4, quotient: 6, dividend: 24

$625 \div 4 =$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r} 156 \\ 4 \overline{) 625} \\ \underline{4} \\ 22 \\ \underline{20} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

2) When you reach the last digit, add a decimal point to the dividend and a decimal point to the quotient.

$$\begin{array}{r} 156. \\ 4 \overline{) 625.0} \\ \underline{4} \\ 22 \\ \underline{20} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

3) Continue the division, adding more zeroes to the dividend if needed.

$$\begin{array}{r} 156.25 \\ 4 \overline{) 625.00} \\ \underline{4} \\ 22 \\ \underline{20} \\ 20 \\ \underline{20} \\ 00 \\ \underline{00} \\ 00 \end{array}$$

You can check by doing short multiplication.

$$156.25 \times 4 = 625 \checkmark$$

$8 \overline{) 5744}$

$4 \overline{) 3944}$

$2 \overline{) 1106}$

$3 \overline{) 867}$

$5 \overline{) 4905}$

$9 \overline{) 2961}$

$9 \overline{) 7830}$

$4 \overline{) 3148}$

Short division– question 11

Sheet 3

Use short division with decimal remainders

$24 \div 4 = 6$

Labels: divisor (4), quotient (6), dividend (24)

$625 \div 4 =$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r} 156 \\ 4 \overline{) 625} \\ \underline{4} \\ 22 \\ \underline{20} \\ 25 \\ \underline{20} \\ 5 \end{array}$$

2) When you reach the last digit, add a decimal point to the dividend and a decimal point to the quotient.

$$\begin{array}{r} 156. \\ 4 \overline{) 625.0} \\ \underline{4} \\ 22 \\ \underline{20} \\ 25 \\ \underline{20} \\ 50 \\ \underline{40} \\ 10 \end{array}$$

3) Continue the division, adding more zeroes to the dividend if needed.

$$\begin{array}{r} 156.25 \\ 4 \overline{) 625.00} \\ \underline{4} \\ 22 \\ \underline{20} \\ 25 \\ \underline{20} \\ 50 \\ \underline{40} \\ 10 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

You can check by doing short multiplication.

$$156.25 \times 4 = 625 \quad \checkmark$$

$$2 \overline{) 366}$$

$$6 \overline{) 2478}$$

$$7 \overline{) 4795}$$

$$2 \overline{) 1170}$$

$$7 \overline{) 1939}$$

$$3 \overline{) 2601}$$

$$6 \overline{) 4332}$$

$$5 \overline{) 4815}$$

Short division– question 11

Sheet 4

Use short division with decimal remainders

$24 \div 4 = 6$

Labels: *divisor* (4), *quotient* (6), *dividend* (24)

$625 \div 4 =$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r} 156 \\ 4 \overline{) 625} \\ \underline{22} \\ 25 \\ \underline{20} \\ 50 \\ \underline{40} \\ 10 \end{array}$$

2) When you reach the last digit, add a decimal point to the dividend and a decimal point to the quotient.

$$\begin{array}{r} 156. \\ 4 \overline{) 625.0} \\ \underline{22} \\ 25 \\ \underline{20} \\ 50 \\ \underline{40} \\ 10 \end{array}$$

3) Continue the division, adding more zeroes to the dividend if needed.

$$\begin{array}{r} 156.25 \\ 4 \overline{) 625.00} \\ \underline{22} \\ 25 \\ \underline{20} \\ 50 \\ \underline{40} \\ 10 \\ \underline{8} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

You can check by doing short multiplication.

$$156.25 \times 4 = 625 \quad \checkmark$$

$$4 \overline{) 1356}$$

$$9 \overline{) 7533}$$

$$6 \overline{) 4128}$$

$$7 \overline{) 6356}$$

$$8 \overline{) 2864}$$

$$2 \overline{) 1050}$$

$$3 \overline{) 633}$$

$$2 \overline{) 668}$$

Short division– question 11

Sheet 1 $8 \overline{)1256} \begin{array}{r} 157 \end{array}$ $9 \overline{)7263} \begin{array}{r} 807 \end{array}$ $4 \overline{)1520} \begin{array}{r} 380 \end{array}$ $5 \overline{)2090} \begin{array}{r} 418 \end{array}$

$6 \overline{)3654} \begin{array}{r} 609 \end{array}$ $8 \overline{)1040} \begin{array}{r} 130 \end{array}$ $7 \overline{)4620} \begin{array}{r} 660 \end{array}$ $3 \overline{)1590} \begin{array}{r} 530 \end{array}$

Sheet 2 $8 \overline{)5744} \begin{array}{r} 718 \end{array}$ $4 \overline{)3944} \begin{array}{r} 986 \end{array}$ $2 \overline{)1106} \begin{array}{r} 553 \end{array}$ $3 \overline{)867} \begin{array}{r} 289 \end{array}$

$5 \overline{)4905} \begin{array}{r} 981 \end{array}$ $9 \overline{)2961} \begin{array}{r} 329 \end{array}$ $9 \overline{)7830} \begin{array}{r} 870 \end{array}$ $4 \overline{)3148} \begin{array}{r} 787 \end{array}$

Sheet 3 $2 \overline{)366} \begin{array}{r} 183 \end{array}$ $6 \overline{)2478} \begin{array}{r} 413 \end{array}$ $7 \overline{)4795} \begin{array}{r} 685 \end{array}$ $2 \overline{)1170} \begin{array}{r} 585 \end{array}$

$7 \overline{)1939} \begin{array}{r} 277 \end{array}$ $3 \overline{)2601} \begin{array}{r} 867 \end{array}$ $6 \overline{)4332} \begin{array}{r} 722 \end{array}$ $5 \overline{)4815} \begin{array}{r} 963 \end{array}$

Sheet 4 $4 \overline{)1356} \begin{array}{r} 339 \end{array}$ $9 \overline{)7533} \begin{array}{r} 837 \end{array}$ $6 \overline{)4128} \begin{array}{r} 688 \end{array}$ $7 \overline{)6356} \begin{array}{r} 908 \end{array}$

$8 \overline{)2864} \begin{array}{r} 358 \end{array}$ $2 \overline{)1050} \begin{array}{r} 525 \end{array}$ $3 \overline{)633} \begin{array}{r} 211 \end{array}$ $2 \overline{)668} \begin{array}{r} 334 \end{array}$