

Welcome to Year 6 Maths

The lesson will begin at 11:30am



Turn your camera and microphone **off** please

18/01/21

Maths Arithmetic

I can use different **strategies** to solve mathematical problems



Arithmetic

Multiplying Decimals PDF

18/01/21

Maths

I can divide decimals by whole numbers

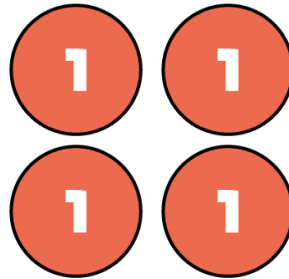
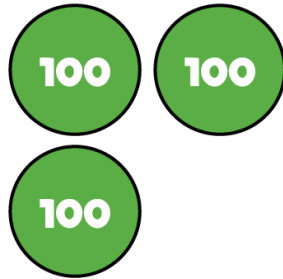
DIVIDE DECIMALS BY INTEGERS



GET READY



1)




$\div 3$

2)

645				
?				

3) $646 \div 5 =$

1)



$$324 \div 3 = 108$$

$$\begin{array}{r} 108 \\ 3 \overline{) 324} \\ \underline{3} \\ 0 \\ 0 \\ \underline{0} \\ 0 \end{array}$$

2)

645				
129				

$$\begin{array}{r} 129 \\ 5 \overline{) 645} \\ \underline{5} \\ 14 \\ \underline{10} \\ 45 \\ \underline{45} \\ 0 \end{array}$$

3) $646 \div 5 = 129 \text{ r}1$

LET'S LEARN

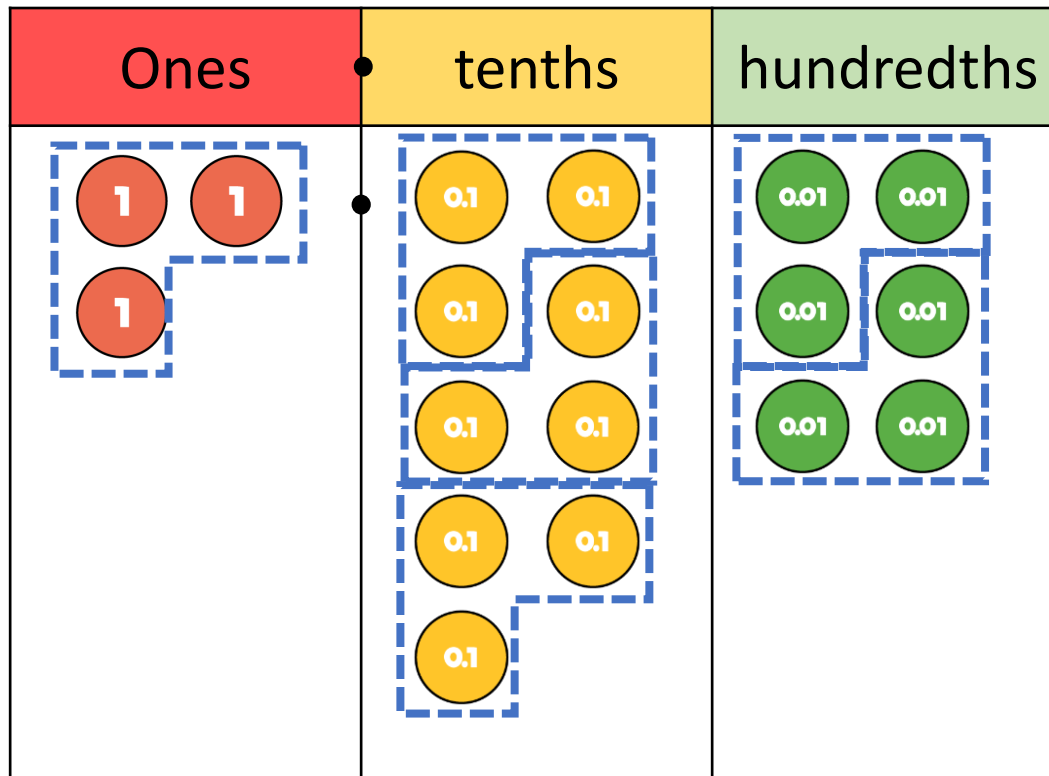


Mr Rose is building some garden furniture.



His plank of wood is 3.96 m long.
He needs to cut it into 3 equal pieces.

How long is each piece?



$$\begin{array}{r}
 1 \ . \ 3 \ 2 \\
 3 \overline{) 3 \ . \ 9 \ 6} \\
 \hline
 \end{array}$$

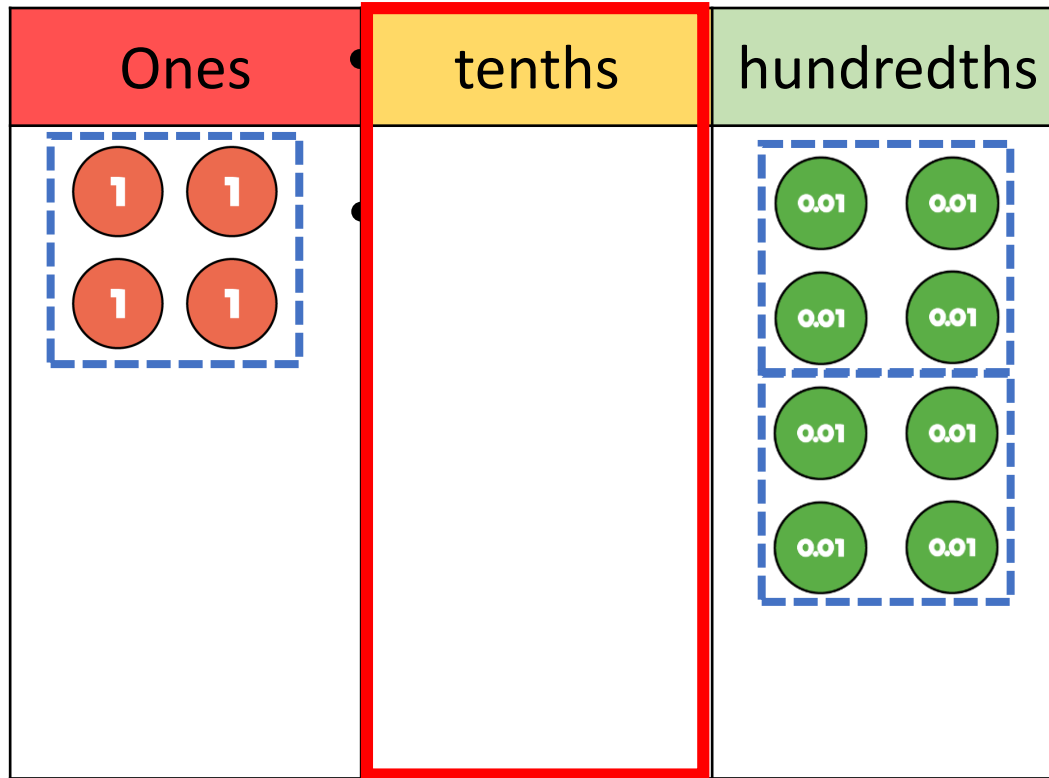
Each piece of wood will be 1.32 m long.

Have a think



Mr Rose has another plank of wood that
is 4.08 m long.
He needs to cut it into four equal pieces.

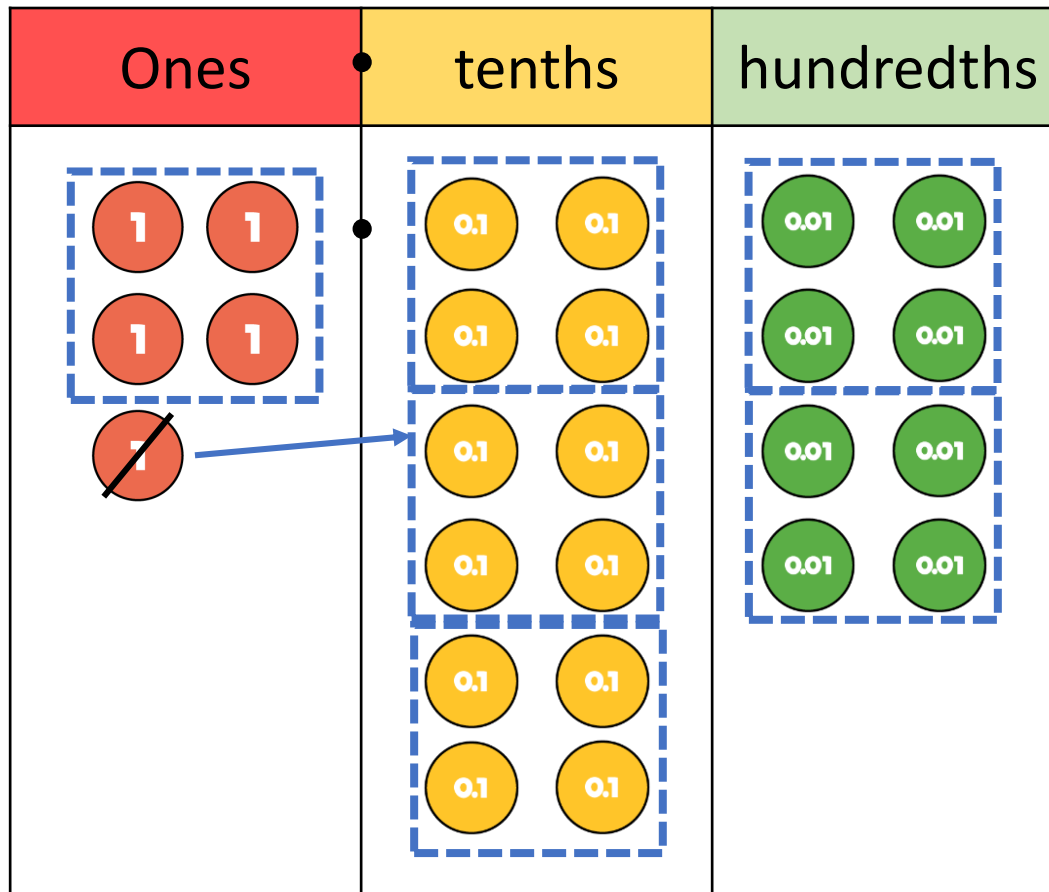
How long is each piece?



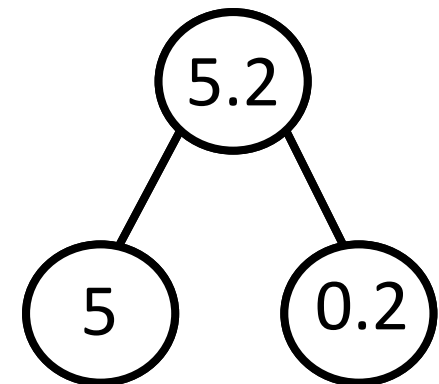
1.2 m or 1.02 m?

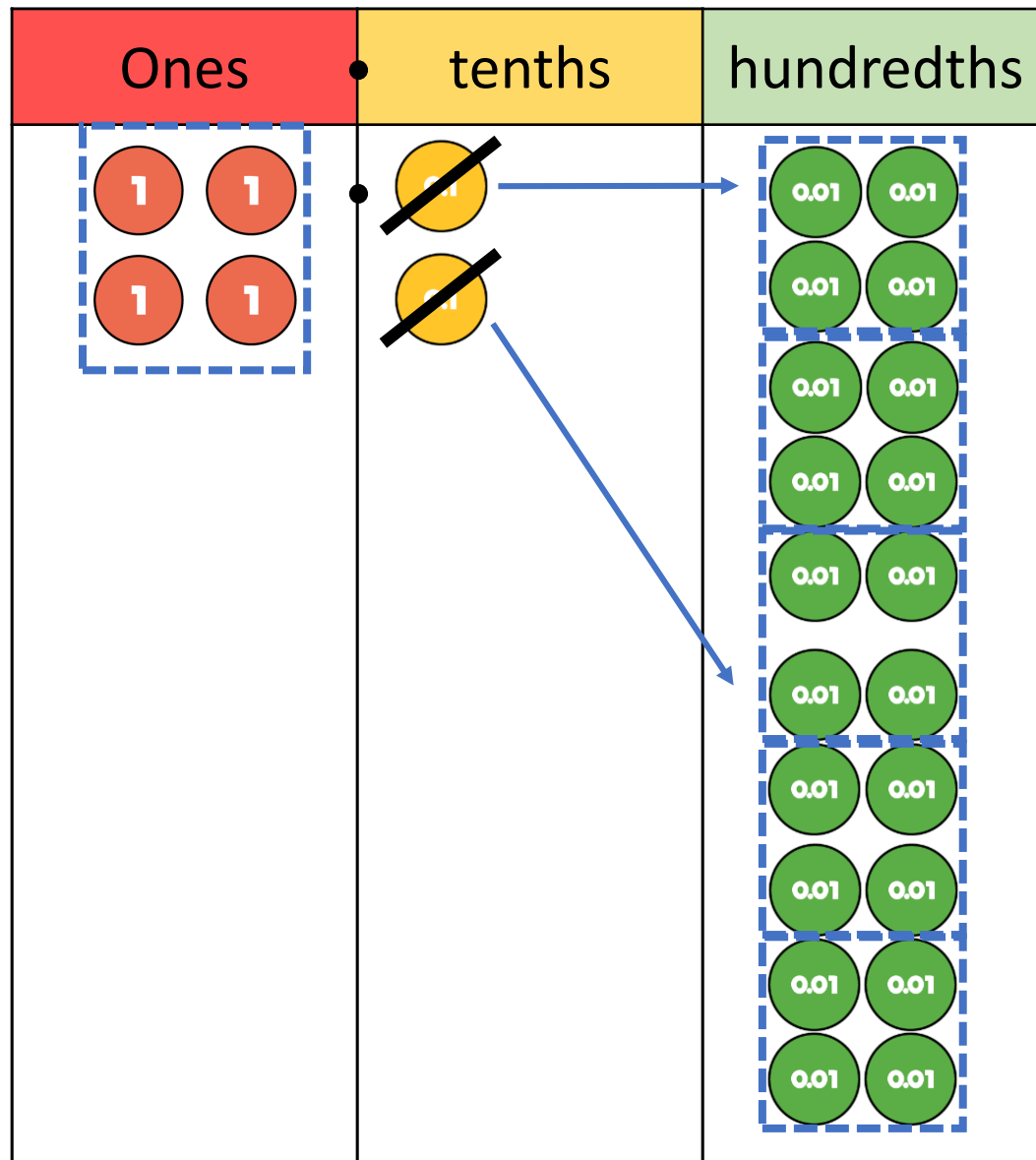
$$\begin{array}{r}
 1.02 \\
 4 \overline{) 4.08} \\
 \underline{4 0} \\
 8
 \end{array}$$

Each piece of wood will be 1.02 m long.



$$4 \overline{) 15.328}$$





Have a think



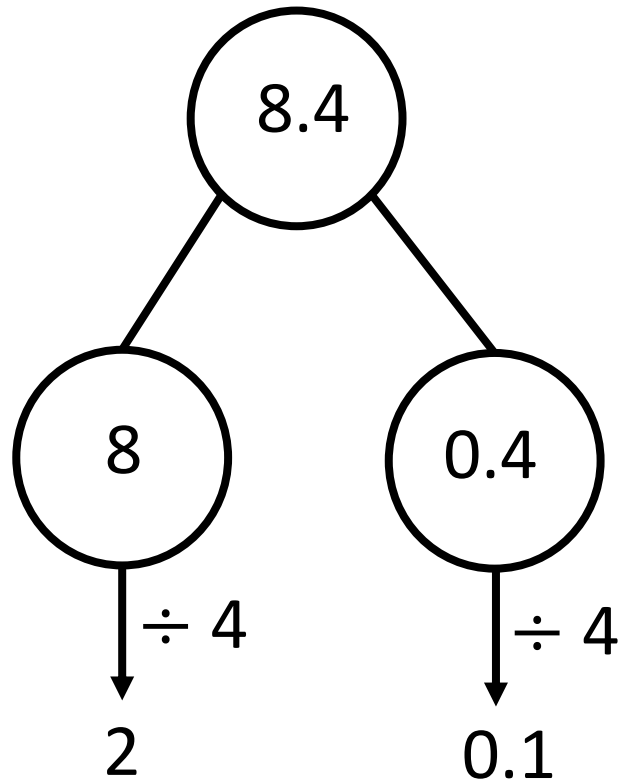
$$\begin{array}{r}
 1 \ . \ 0 \ 5 \\
 4 \overline{) 4 \ . \ 2 \ 20}
 \end{array}$$

YOUR TURN

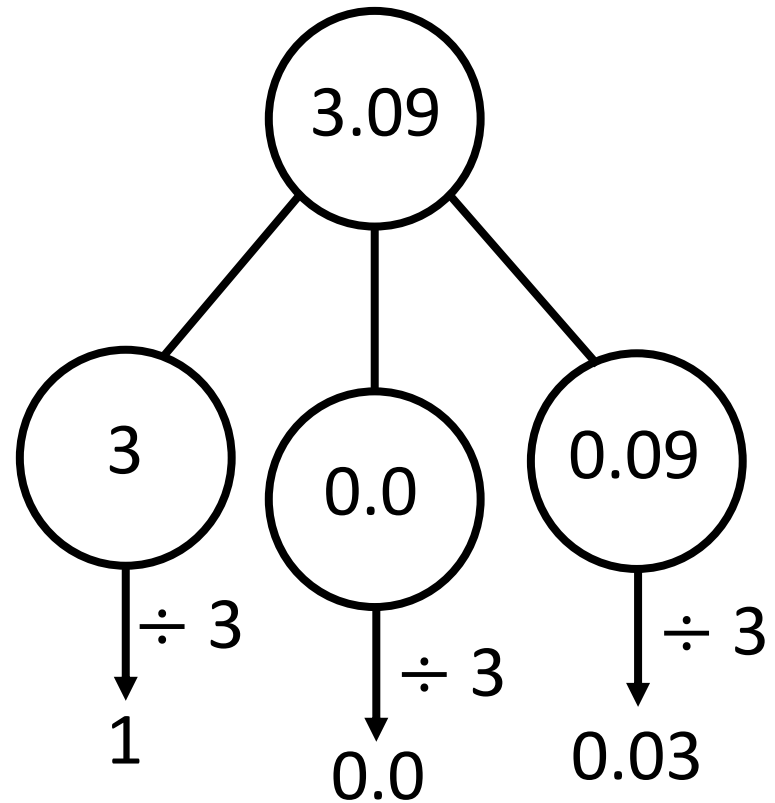
Have a go at questions
1 - 4 on the worksheet



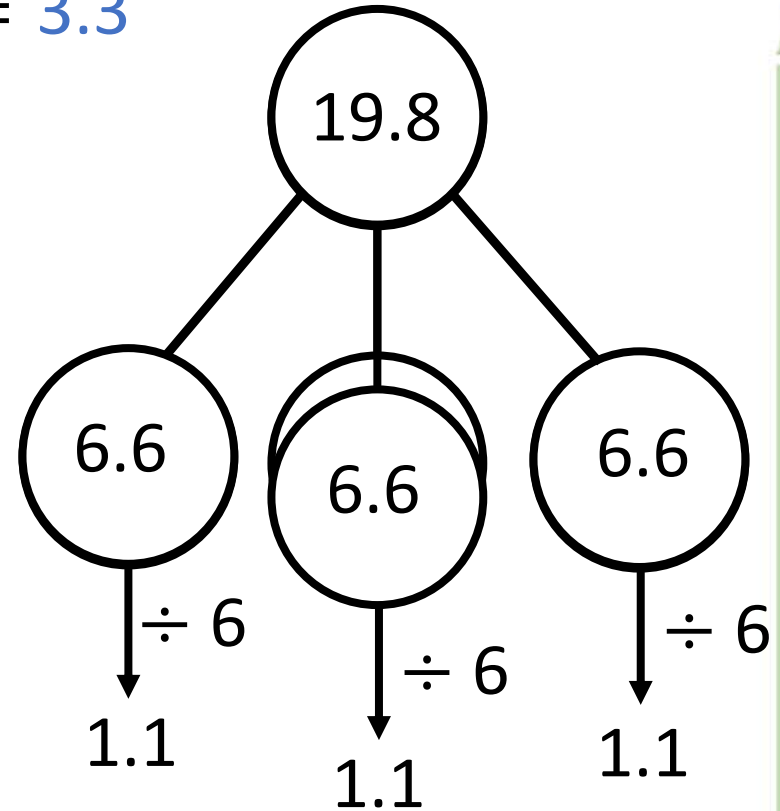
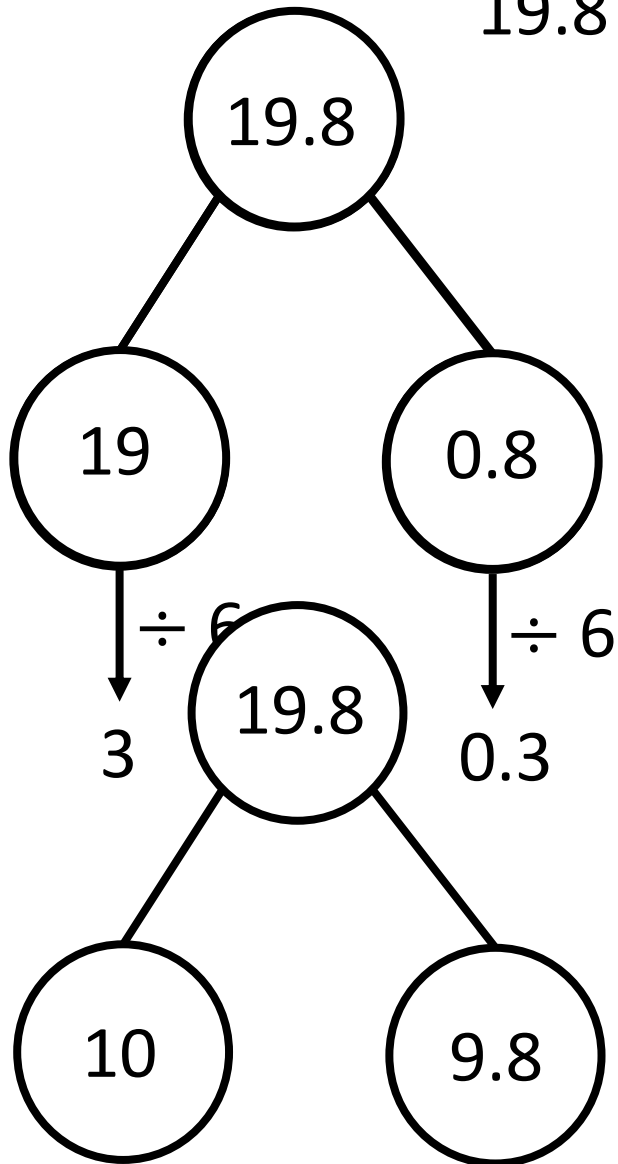
$$8.4 \div 4 = 2.1$$



$$3.09 \div 3 = 1.03$$



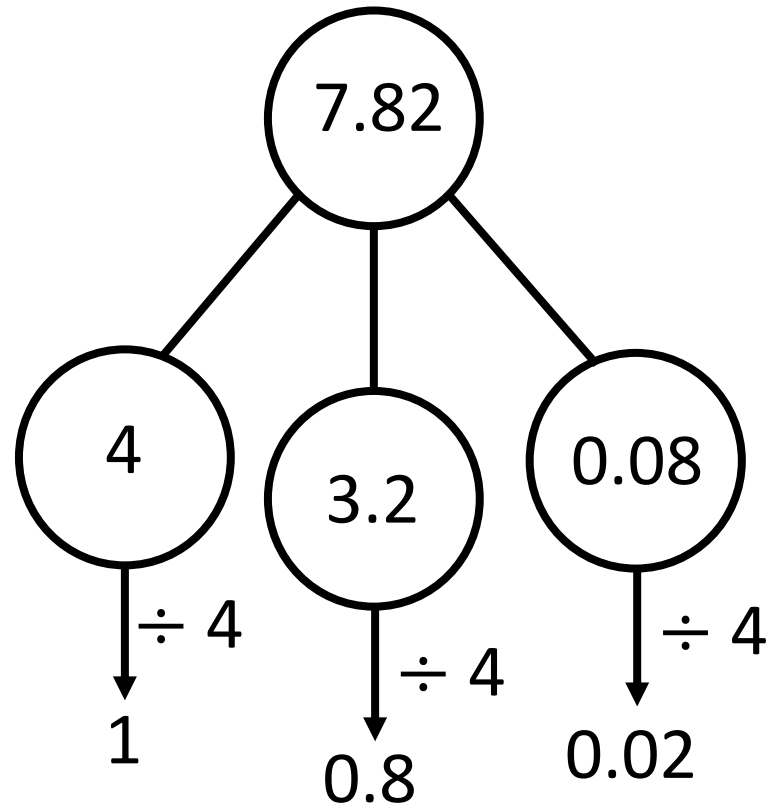
$$19.8 \div 6 = 3.3$$



Have a think



$$7.28 \div 4 = 1.82$$



$$\underline{8.24} \div 4 = 2.06$$

How can I use this to help me solve

$$\underline{82.4} \div 4 = \boxed{}$$

$$8.24 \div 4 = \boxed{} \div 2$$

Diagram illustrating the relationship between the two division problems:

- An arrow labeled $\div 2$ points from the 8.24 in the second equation to the 82.4 in the first equation.
- An arrow labeled $\div 2$ points from the $\boxed{}$ in the second equation to the $\boxed{}$ in the first equation.

Have a think



YOUR TURN

Have a go at the rest of
the questions on the
worksheet

