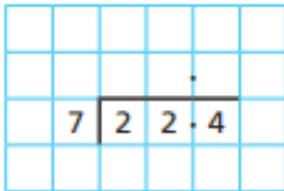


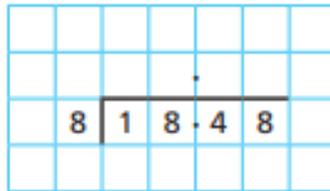
Challenge 1 25.11.20

Use short division to work out the calculations.

a)



b)



Now apply this strategy to solve these calculations.

a) $25.6 \div 8$

c) $18.48 \div 6$

e) $202.35 \div 3$

b) $14.8 \div 4$

d) $19.45 \div 5$

f) $105.12 \div 9$

Challenge 2 25.11.20

Attempt these calculations. Can you identify a pattern?

Try to explain what the pattern is.

a) $9.64 \div 4$

b) $19.44 \div 9$

$96.4 \div 4$

$19.53 \div 9$

$0.964 \div 4$

$19.62 \div 9$

$9.64 \div 8$

Challenge 3 25.11.20

a) $0.56 \div 16 =$

b) $15.75 \div 25 =$

Only use factors to help you with these two questions.

c) The perimeter of a regular octagon is 40.96cm. Calculate the length of each side.

d) A shop charges 12p to photocopy one page in full colour. Sam has photocopied some pages in colour and the total cost is £16.08. How many pages did he photocopy?

e) Fill in the missing numbers

$3.6 \div 4 = 36 \div \square$

$3.6 \div 4 = \square \div 8$