



Deepen Activities

- 1 Amelia says 'To divide by 15, divide by 5 and then divide the answer by 3.'

a) Use this to help you calculate:

$$190.2 \div 15 = \boxed{}$$

$$\boxed{} \div 15 = 6.34$$

$$380.4 \div 15 = \boxed{}$$

$$380.4 \div 1.5 = \boxed{}$$

b) Devise a rule for dividing by 12.

c) Calculate:

$$143.43 \div 12 =$$

$$286.86 \div 12 =$$

$$286.86 \div 1.2 =$$

$$286.86 \div 0.12 =$$

What do you notice about your answers? Why?

d) Explain how you could calculate $16.8 \div 24$.

Write as many other related facts as you can based on this calculation.

- 2 Ebo types $\frac{\boxed{}}{\boxed{}}$ into his calculator. The numerator and denominator are both whole numbers less than 20. He gets the answer 0.625.

a) What could he have typed in to his calculator?

b) What could he have typed to get an answer of 3.25?

c) What could he have typed to get an answer of 2.3333...?

- 3 Max needs seven boxes of cereal. One shop sells it at £2.79 a box. Another shop sells it at £3.19 per box but has the offer 'Buy two boxes, get a third box free'.

a) Which shop should Max buy from? How much will it cost him?

b) A different shop has the offer 'Buy three boxes, get the fourth half price'. Each box costs £2.98. How much do seven boxes cost?