Objective: Interpret remainders from division as whole numbers, fractions, or by rounding as appropriate to the context

Year 6 Task:

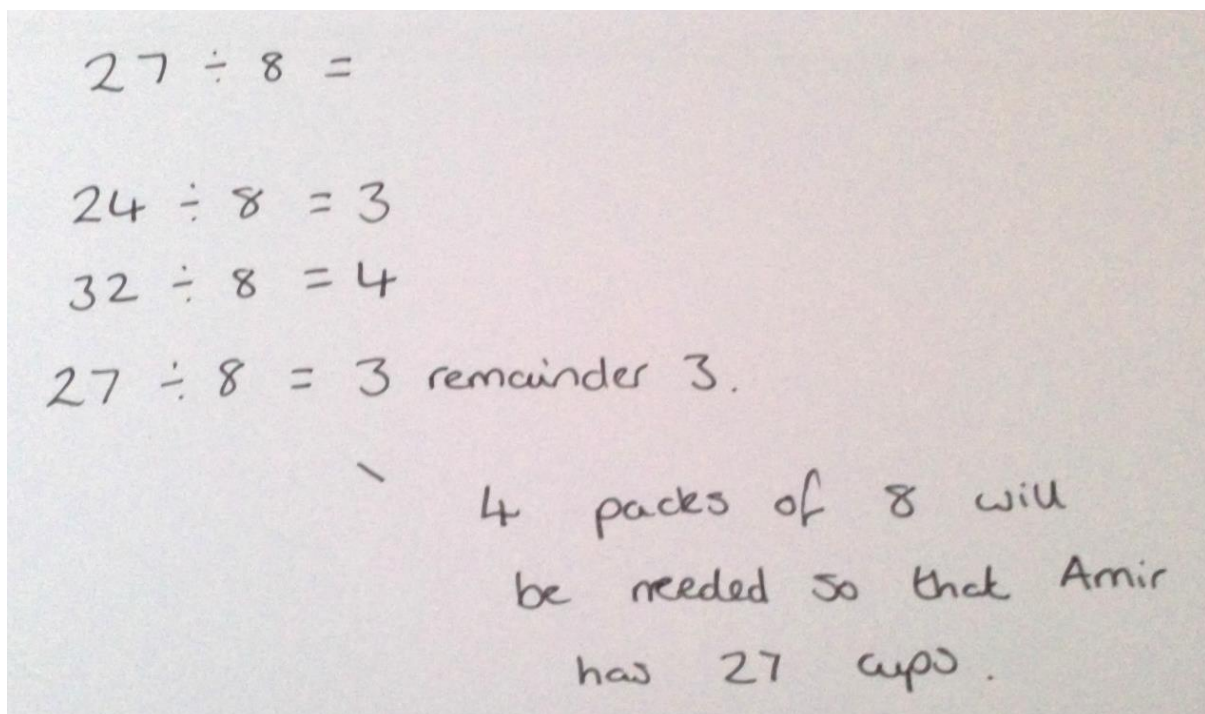Plastic cups are sold in packs of 8

Amir needs 27 cups.

How many packs must he buy?

KS2 SATs question

Worked example

$$27 \div 8 =$$

$$24 \div 8 = 3$$

$$32 \div 8 = 4$$

$$27 \div 8 = 3 \text{ remainder } 3.$$

4 packs of 8 will be needed so that Amir has 27 cups.

HIAS HOME LEARNING

Variation

What if the cups were sold in packs of 12 and Amir needed 117 cups? How many packs of cups would Amir need to buy?

Show your workings here:

Answer: Amir would need 10 packs of cups

What if the cups were sold in packs of 14 and Amir needed 165 cups? How many packs of cups would Amir need to buy?

Show your workings here:

Answer: Amir would need 12 packs of cups

HIAS HOME LEARNING