HO2: At the Chip Shop

Fish	£2.60
Sausage	£1.20
Chips	£1.10
Peas	£0.50
Gravy	£0.40

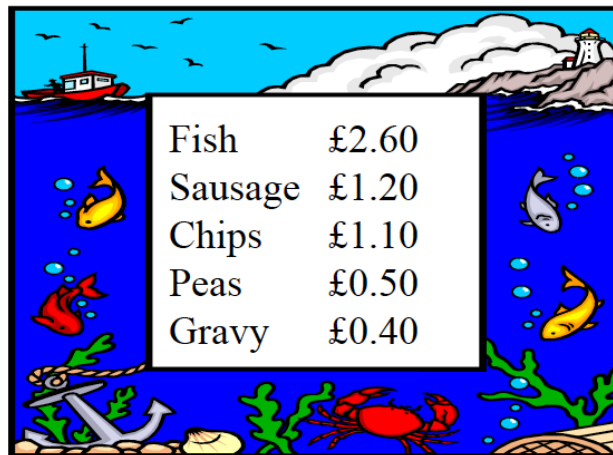## Simplifying

What do these expressions mean? Can you simplify each of them?

1. *2(s+c) + 3(f+p) + 3(f+c) + 2p + 3c + 2s*

2. *2(f+c+g) + 2(f+c) + f + 3(s+c+p) + (s+c) + 2(c+g)*

3. *5(s+c+g) + (f+c) + 2c(f+c+p+g) + 3(f+c+g) + 2s + 2c*

Make up some more orders as algebraic expressions for different orders.

Wrapping it up (factorizing)

How could the following be bagged so that each bag contains exactly the same?

1. *3s + 3c*

2. *4f + 2c + 2p*

3. *2f + 4s + 6f*

4. *3s + 3f + 6p + 9c*

5. *12f + 8c + 4g*

Doing the maths

Complete the table below.

*(Remember: when we say '3 fish' we are actually talking about the **cost** of 3 fish.*

Expanded form	How to say it expanded	Factorised form	How to say it in factorised form
3f + 3c	3 fish and 3 chips	3(f+c)	3 lots of fish & chips
2f + 2c + 2p		2(f+c+p)	
6f+3c+5p			
		3(3f + 2c)	
2f + 4c + 2p			