

RECALL

3.15

$\begin{array}{r} \times 8 \\ \hline \end{array}$

How
would you
solve these
sums?

22.95

$\begin{array}{r} \times 13 \\ \hline \end{array}$

What strategies could we use to help work this out? How could we simplify it?

L.O. MULTIPLY AMOUNTS OF MONEY INCLUDING DECIMALS BY A 1-DIGIT NUMBER USING THE FORMAL WRITTEN METHOD OF LONG MULTIPLICATION.

- **SOME WILL EVEN:** Adapt method to multiply by 2 digits
- **SOME WILL:** Check my answer using a different method.
- **MOST WILL:** Use column multiplication.
- **ALL WILL:** Use grid method for multiplication.



APE

MY TURN



Currys supermarket has just opened and has some amazing deals.

- a) Sausages are priced at £5.79 a pack but you can get 6 packs for £30. Is this good value for money? **PROVE IT!**
- b) Jack has £25 and he buys six sacks of potatoes costing £2.88 a sack. How much change will he get?

help

Use a written method and/or estimation to help you.



Barbara is having a BBQ. She needs 6 packs of sausages and six sacks of potatoes. How much will this cost her?

YOUR TURN



Currys supermarket has just opened and has some amazing deals.

- a) Sausages are priced at £5.25 a pack but you can get 6 packs for £30. Is this good value for money? **PROVE IT!**
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Use a written method and/or estimation to help you.



Barbara is having a BBQ. She needs 6 packs of sausages and six sacks of potatoes. How much will this cost her?

Barbara now needs fireworks...



Item	Cost per box	Number of boxes needed	Total price
Sparklers	£1.50	5	
Fountains	£2.50	7	
Rockets	£4.25	8	
Catherine wheels	£6.25	4	
Diamond blaster	£10.26	6	
Ultimate bomber	£25.87	5	



How much does Barbara spend on her fireworks BBQ?

Barbara now needs fireworks...

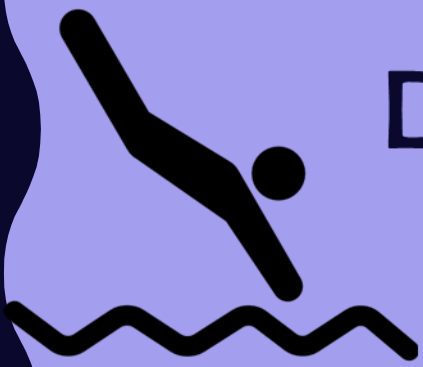


Item	Cost per box	Number of boxes needed	Total price
Sparklers	£1.50	5	£7.50
Fountains	£2.50	7	£17.50
Rockets	£4.25	8	£34.00
Catherine wheels	£6.25	4	£25.00
Diamond blaster	£10.26	6	£61.56
Ultimate bomber	£25.87	5	£129.35

How much does Barbara spend on her fireworks BBQ?

£318.71





DIVE DEEPER 1

- 1) For a large bonfire party Mr Franks buys five large bags of potatoes at £11.79 each and six rolls of tin-foil at £3.86 each. How much did he pay altogether?
- 2) Six boxes of burgers cost £12.45 each. Find the change from £100.
- 3) Chloe buys seven packs of premium burgers that cost £13.78 each and the shop gives her an £8 discount. She pays with £100 in cash. How much change is she given?
- 4) Jamie's shopping receipt shows that he has bought four items costing £11.67 each, five items costing £5.79 each and six items costing £3.73. How much change from £100 did he receive?



Is $£43.60 \times 15$ more than $£34.50 \times 16$?
Decide, then check by multiplying both!



DIVE DEEPER 1

1) $5 \times £11.79 = £58.95$ $6 \times £3.86 = £23.16$
Total $\rightarrow$ £82.11

2) $6 \times £12.45 = £74.70$ Change = £25.30

3) $7 \times £13.78 = £96.46 - £8 = £88.46$
Change = £11.54

4) $4 \times £11.67 = £46.68$ $5 \times £5.79 = £28.95$ $6 \times £3.73 = £22.38$
 $£46.68 + £28.95 + £22.38 = £98.01$ Change = £1.99



DIVE DEEPER 1



£43.60

x 15
—————

£ 218.00

£436.00
—————

£654.00
—————

£34.50

x 16
—————

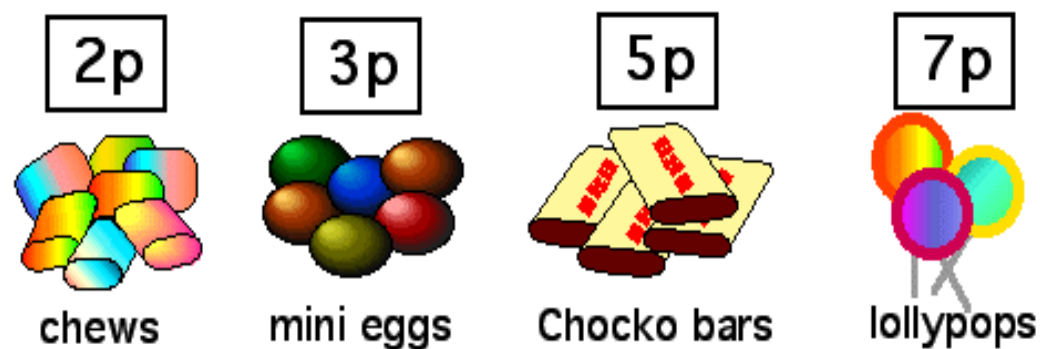
£ 207.00

£ 345.00
—————

£ 552.00
—————

Rosie went into the sweet shop with 10p to spend.

There were chews for 2p, mini eggs for 3p, Chocko bars for 5p and lollypops for 7p.



What could she buy if she wanted to spend all her money?

Alice, James, Katie and Henry went into the shop too. They each had 20p to spend and they all spent all of their money.

Alice bought at least one of each kind of sweet. Which one did she have two of?

James spent his money on just one kind of sweet, but he does not like chews. Which sweets did he buy?

Katie bought the same number of sweets as James but she had 3 different kinds. Which sweets did she buy?

Henry chose 8 sweets. What could he have bought?