## Learning Reminders

Use short multiplication to multiply 4-digit amounts of money by 1-digit numbers.
A shop sells 6 hoodies, each priced $£ 25.79$.
We are going to find the total amount.
$6 \times$ £25.79

| $\times$ | $£ 20$ | $£ 5$ | 70 p | $9 p$ |  |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 6 | $£ 120$ | $£ 30$ | $£ 4.20$ | 54 p | $£ 154.74$ |

$\mathbf{6 \times 7 0 p}=£ 4.20$
£ 25.79
$\times$
6
Add the pounds, then the pence.
Take special care with place value when multiplying with money. It is particularly helpful to estimate first...

345
£154.74

$$
(6 \times 70 p)+50 p=£ 4.70
$$

## Learning Reminders

Use short multiplication to multiply 4-digit amounts of money by 1-digit numbers.
A shop sells 7 pairs of jeans, each priced $£ 34.45$. We are going to find the total amount.

7 x £34.45

| $\times$ | $£ 30$ | $£ 4$ | $40 p$ | $5 p$ |  |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 7 | $£ 210$ | $£ 28$ | $£ 2.80$ | $35 p$ | $£ 241.15$ |



Add the pounds, and then the pence.

$$
7 \times 40 p+30 p=£ 3.10
$$

## Practice Sheet Mild Multiplying money

1. Which of these multiplications do you think will have the greatest answer?
$3 \times £ 4.28 \quad 5 \times £ 5.17 \quad 4 \times £ 8.32 \quad 6 \times £ 2.51$
Calculate each to check.
2. A shop sells the following items. Calculate how much they take for each item:

4 beanies at $£ 7.24$ each
6 water bottles at $£ 3.65$ each
8 wristbands at $£ 2.78$ each

## Practice Sheet Hot <br> Multiplying money



$$
£ 46.55
$$



1. Which of these would cost more than $£ 200$ ? Estimate each then calculate the costs.
a) 5 pairs of trainers
b) 4 tracksuits
c) 7 footballs
d) 8 sports bags
e) 7 tennis rackets
2. Which do you think would cost more?

Estimate each then calculate the costs.
a) 6 pairs of trainers or 7 tracksuits?
b) 9 sports bags or 6 footballs?
c) 6 tennis rackets, 4 tracksuits or 3 pairs of trainers?

## Challenge

Five children each buy a sports bag, a tennis racket and pair of trainers. How much do they spend altogether?
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## Practice Sheet Answers

## Multiplying money (mild)

Which of these multiplications do you think will have the greatest answer?
$4 \times £ 8.32$
Rounding each amount to the nearest pound helps children to see which will have the greatest answer
$3 \times £ 4.28=£ 12.84$
$5 \times £ 5.17=£ 25.85$
$4 \times £ 8.32=£ 33.28$
$6 \times £ 2.51=£ 15.06$
A shop sells the following items. Calculate how much they take for each item:

| 4 beanies at $£ 7.24$ each | $£ 28.96$ |
| :--- | ---: |
| 6 water bottles at $£ 3.65$ each | $£ 21.90$ |
| w wrist |  |

8 wristbands at $£ 2.78$ each $£ 22.24$

Multiplying money (hot)

1. a) £232.75
b) $£ 155$
c) $£ 221.62$
d) $£ 155.92$
e) $£ 172.20$
2. a) $\quad 6$ pairs of trainers $=£ 279.307$ tracksuits = £271.25
b) $\quad 9$ sports bags $=£ 175.41$

6 footballs $=\underline{£} 189.96$
c) 6 tennis rackets $=£ 147.604$ tracksuits = £155
3 pairs of trainers $=£ 139.65$

## Challenge

Sports bag + tennis racket + trainers $=£ 19.49+£ 24.60+£ 46.55=£ 90.64$
If 5 children all buy the same 3 items total cost $=£ 453.20$


