

Spicy Reasoning Week 8 Year 5

Q1. Jamie, Kate and Hassan run a 50m race.



Kate's time is 13 seconds.

Jamie finishes 5 seconds before Kate.

Hassan finishes 3 seconds after Jamie.

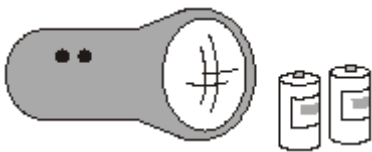
What is **Hassan's time** in seconds?

	<input type="text" value="seconds"/>
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1 mark

Q2. A torch costs £7.65

Kate buys a torch and **two** batteries.



She pays £8.75 altogether.

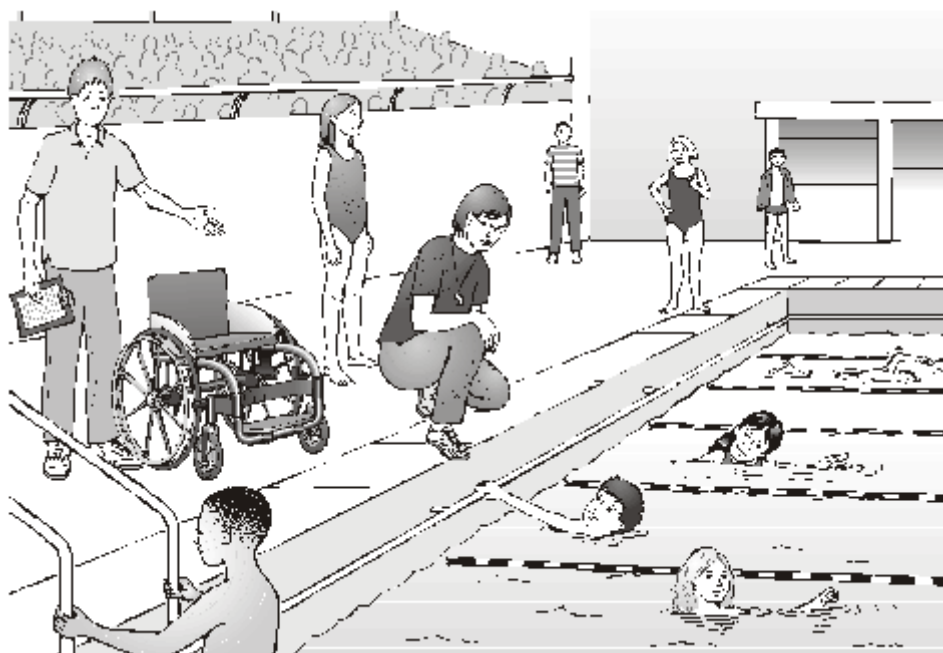
How much does **one** battery cost?



Show your **working**.
 You may get a mark

2 marks

Q3.




Emily, Ben and Nisha take part in a sponsored swim to collect money for charity.

Emily collects £2.75 **more** than Nisha.

Ben collects £15

Nisha collects £7 **less** than Ben.

Altogether how much money do the three children collect?



Show your **working**.
You may get a mark

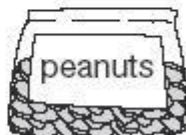
£

2 marks

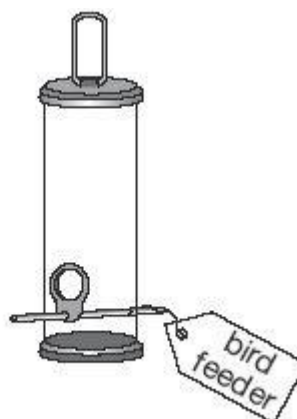
Q4. A shop sells food for birds.



£3.79 for
a bag



£1.35 for
a bag



£8.95
each

Lara has £10 to spend on peanuts.

How many bags of peanuts can she get for £10?



1 mark

Amir has £20

He wants to buy a bird-feeder and 4 bags of bird seed.

How much **more** money does he need?



Show your **method**.
You may get a mark.

£

2 marks

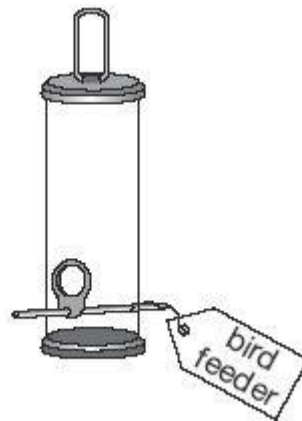
Q5. A shop sells food for birds.



£3.79 for
a bag



£1.35 for
a bag



£8.95
each

Lara has £10 to spend on peanuts.

How many bags of peanuts can she get for £10?



1 mark

Amir has £20

He wants to buy a bird-feeder and 4 bags of bird seed.

How much **more** money does he need?



Show your **method**.
You may get a mark.

£

2 marks

ANSWERS!!

M1. 11

M2. Award **TWO** marks for the correct answer of 55p **OR** £0.55

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg $8.75 - 7.65 = 1.10$

$1.10 \div 2 =$ wrong answer

*Accept: for **ONE** mark £55 OR £55p **OR** 0.55p as evidence of appropriate working.*

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2

M3. Award **TWO** marks for the correct answer of £33.75

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg:

- Ben: £15
Nisha: $£15 - £7 = £8$
Emily: $£8 + £2.75 = £10.75$
 $£15 + £8 + £10.75$

OR

- $15 + (15 - 7) + (15 - 7 + 2.75)$

*Accept for **ONE** mark £3375 **OR** £3375p as evidence of appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

M4. (a) 7

Accept 7 r 55p.
Do not accept 7 r 55

1

- (b) Award **TWO** marks for the correct answer of £4.11

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg

$$4 \times 3.79 = 15.16$$

$$8.95 + 15.16 = 24.11$$

$$24.11 - 20$$

*Accept for **ONE** mark £411 **OR** £411p as evidence of appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

- M5.** (a) 7

Accept 7 r 55p.

Do not accept 7 r 55

1

- (b) Award **TWO** marks for the correct answer of £4.11

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg

$$4 \times 3.79 = 15.16$$

$$8.95 + 15.16 = 24.11$$

$$24.11 - 20$$

*Accept for **ONE** mark £411 **OR** £411p as evidence of appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2