1. Award TWO marks for both numbers correct as shown.


If the answer is incorrect, award ONE mark for one number correct.
Do not accept 12-
Accept +2 in the right-hand box.
Up to 2
2. Award TWO marks for the correct answer of $£ 5.75$

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g:

- $£ 6.75 \times 3=£ 20.25$
$£ 20.25+£ 8.50=£ 28.75$
$£ 28.75 \div 5$
Answer need not be obtained for the award of ONE mark.
Up to 2

3. A rectangle with area $6 \mathrm{~cm}^{2}$

A rectangle must be drawn but need not be shaded.
4. Award TWO marks for the correct answer of 145

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g:

- 144

136
142
143
152
148
$+150$
1015
$1015 \div 7$
Answer need not be obtained for the award of ONE mark.
Up to 2
5. Award TWO marks for the correct answer of 90 g .

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g:

- $300 \div 400=\frac{3}{4}$ $\frac{3}{4} \times 120$

Answer need not be obtained for the award of ONE mark.
Up to 2
[2]
6. Award TWO marks for the correct answer of 96

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g:

- $10.5 \times 2=21$
$21+11=32$
$32 \times 3$
Answer need not be obtained for the award of ONE mark.
Up to 2

7. Award TWO marks for all three calculations completed correctly, as shown:


If the answer is incorrect, award ONE mark for two calculations correct.
Up to 2
8. Award TWO marks for all three numbers correctly rounded:

120,000
125,000
124,500
If the answer is incorrect, award ONE mark for any two numbers correctly rounded.
9.

Numbers may be given in either order.
10. Award TWO marks for three boxes completed correctly as shown:

|  | Rounded to the <br> nearest hundred |
| :---: | :---: |
| 20,906 | 20,900 |
| $2,090.6$ | 2,100 |
| 209.06 | 200 |

If the answer is incorrect, award ONE mark for two boxes correct.
Up to $2 m$
11. Award TWO marks for the correct answer of 35p OR £0.35.

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g.

- $\quad 50 p+20 p+10 p+10 p+5 p=95 p$
$£ 2.00-95 p=£ 1.05$
£ $1.05 \div 3$

Accept for ONE mark an answer of $£ 35$ OR $£ 35$ p OR 0.35 p as evidence of an appropriate method.

Answer need not be obtained for the award of ONE mark.
Up to 2 m
12.

Award TWO marks for the correct answer of 119.
If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g.

- $140 \div 20=7$
$3 \times 7=21$
140-21
OR
- $140 \div 20=7$
$20-3=17$
$17 \times 7$

Answer need not be obtained for the award of ONE mark.
Up to $2 m$
13. Award TWO marks for any three of the following numbers written in any order:

- 2
- 6
- 10
- 30

If the answer is incorrect, award ONE mark for two numbers correct.
Up to $2 m$
14.

Award TWO marks for all four rows completed correctly as shown:


If the answer is incorrect, award ONE mark for three rows completed correctly.

Accept alternative unambiguous positive indications of the correct numbers, e.g numbers ticked.

Up to 2m
15. An explanation showing an understanding:

- that this specific triangle has angles 70, 70 and 40


## OR

- of the properties of an equilateral triangle - all angles are equal $\left(60^{\circ}\right)$
and therefore that this triangle cannot be equilateral, e.g.
- The angles aren't $60^{\circ}$
- There is not a $60^{\circ}$ angle
- It has two different angles ( $70^{\circ}$ and $40^{\circ}$ ) so it can't be equilateral
- The angles aren't the same
- An equilateral triangle has $60^{\circ}+60^{\circ}+60^{\circ}$
- All the angles are the same in an equilateral triangle
- It's an isosceles triangle.
(In the context of this question, the term isosceles triangle is treated as not including equilateral triangles as a special type, as the national curriculum does not specify this at key stage 2.)

Do not accept vague or incomplete explanations, e.g.

- The other angle is $70^{\circ}$
- They aren't (all) the same. (No reference to angles)
- An equilateral triangle has equal angles. (Does not say all.)

Do not accept explanations which include incorrect mathematics or incorrect information that is relevant to the explanation, e.g.

- $40+70=110+70=180$

16. An explanation that shows Adam has four times as many balloons as Chen, e.g.

- $24 \times 6$ is 4 times as many as $12 \times 3$
- 144 is four times 36
- $144 \div 4=36$
- $144 \div 36=4$
- $36 \times 4=144$
- Adam buys twice as many bags of twice as many balloons, so it's doubled twice
- 24 is double 12 and 6 is double 3 , so it's doubled twice
- Chen buys half the amount of bags and each bag has half the number of balloons, so he has $\frac{1}{4}$ of the amount.

Do not accept vague or incomplete explanations, e.g.

- Adam buys more bags and there are more balloons in each bag
- Adam buys twice as many bags of twice as many balloons
- 24 is double 12 and 6 is double 3.

17. Award TWO marks for the correct answer of $£ 1.68$

If the answer is incorrect, award ONE mark for evidence of an appropriate method, e.g.

- $20-14.96=5.04$
$5.04 \div 3$

Accept for ONE mark an answer of £168 OR £168p as evidence of an appropriate method.

Answer need not be obtained for the award of ONE mark.
Up to 2 m
18.

Award TWO marks for both pyramids ticked as shown:


Cube



Square-based pyramid


Triangular prism


Triangular-based pyramid


Accept alternative unambiguous positive indications, e.g. Y.
If the answer is incorrect, award ONE mark for:

- the two pyramids and not more than one incorrect shape ticked

OR

- only one correct shape ticked and no incorrect shape ticked.

19. 

(a) 140

## The answer is a time interval

(b) 2

Award TWO marks for the correct answer of 184
If the answer is incorrect, award ONE mark for:

- sight of 92

OR

- evidence of appropriate method, e.g.
- $\frac{1}{3} \times 276=92$
$92 \times 2=$
- $276 \div 3=92$
$276-92=$
Answer need not be obtained for the award of ONE mark.
Up to 2 marks

21. Shape located correctly, as shown:


Accept slight inaccuracies in drawing (see guidance).
Shape need not be shaded for the award of ONE mark.
22. Award TWO marks for the correct answer of 40

If the answer is incorrect, award ONE mark for evidence of appropriate method, e.g.

- $2.6 \times 1,000=2,600$
$2,600 \div 65=$
- $2.6 \div 0.065=$

Answer need not be obtained for the award of ONE mark.
Do not accept an incorrect conversion or no conversion of units, e.g.

- $260 \div 65=$
- $\quad 2.6 \mathrm{~kg} \div 65 \mathrm{~g}$

24 £140
24. Do not accept 140\%
25. Award TWO marks for only two correct boxes ticked, as shown:

There are more cheetahs than jaguars.


The total number of lions and tigers is 10


One-quarter of the big cats are cheetahs.


There are more than 5 jaguars.


Award ONE mark for:

- only one correct box ticked and no incorrect boxes ticked

OR

- two correct boxes ticked and one incorrect box ticked.

Accept alternative unambiguous positive indications, e.g. Y.
Up to 2 marks

