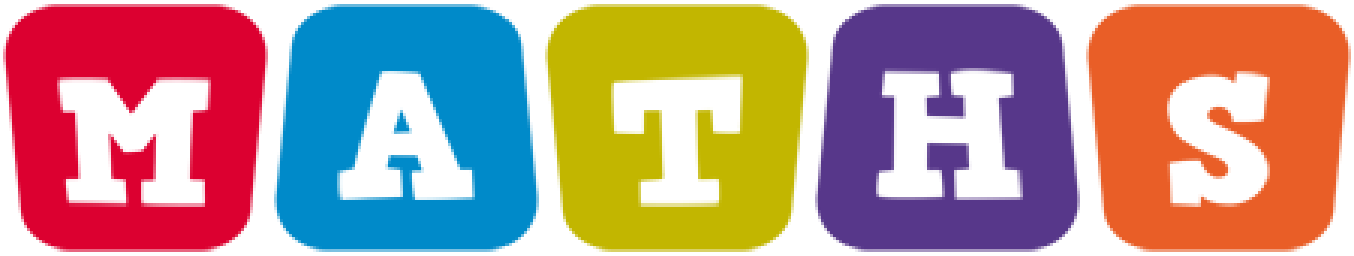


Year Six Easter Homework

Answers

Day 1 – Answers

1.6.4

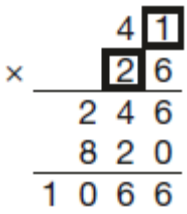
[1]

2.12

Commentary: Pupils are expected to use their knowledge of the order of operations to carry out calculations involving the four operations (6C9) in this case to evaluate 4 × 2 first and then to subtract that product from 20.

[1]

3.Award **TWO** marks for both digits correct, as shown:



If the answer is incorrect, award **ONE** mark for one digit correct.

Up to 2

[2]

4.7 minutes to 9 **OR** 8:53

[1]

5.115

Commentary: The 2014 national curriculum specifies that pupils should read Roman numerals to 100 (4N3a) and then to 1000 (5N3a).

[1]

Day 2 – Answers

1.188 901

[1]

M2.140

[1]

3.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.

Up to 2

[2]

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

5.3 ÷ 10 = 0.53

5.3 × 1000 = 5300

5.3 ÷ 100 = 0.053

If the answer is incorrect, award **ONE** mark for two calculations correct.

Up to 2

[2]

5.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 × 3 = £20.25
  £20.25 + £8.50 = £28.75
  £28.75 ÷ 5

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

Up to 2

[2]

Day 3 – Answers

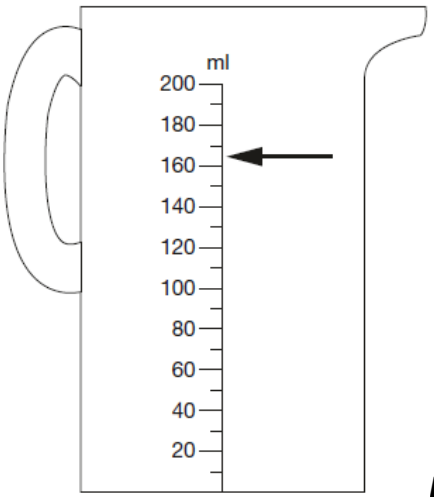
1.228

[1]

2.10 000

[1]

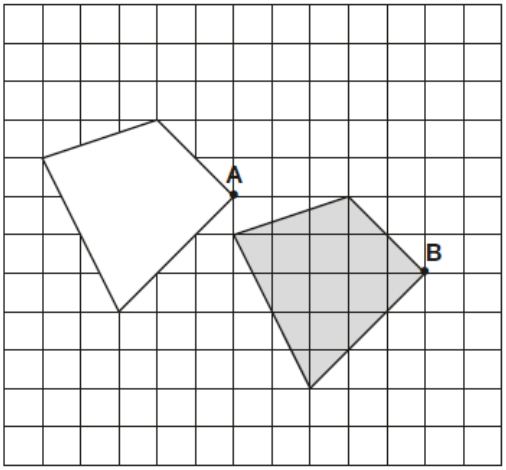
3.Arrow or line drawn to a point in the range 160ml to 170ml **exclusive**.



Do not *accept arrow drawn to 160ml or 170ml.*

[1]

4.Award **TWO** marks for three vertices of the shape, excluding B, translated correctly as shown below:



If the answer is incorrect, award **ONE** mark for two vertices, excluding B, translated correctly.
Accept slight inaccuracies in drawing provided intention is clear.

Up to 2

[2]

5.Award **TWO** marks for the correct answer of 29.25g.

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

- 6.5 ÷ 2 = 3.25
  3 × 6.5 = 20.5 (*error*)
  3 × 3.25 = 9.75
  20.5 + 9.75

OR

- 10p + 5p weigh 6.5g + 3.25g = 9.75
  3 of each coin = 9.75 × 3

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

Up to 2

[2]

Day 4 – Answers

1.1501

1]

2.

$1\frac{5}{8}$

*Accept equivalent fractions or an **exact** decimal equivalent, e.g. 1.625.*

[1]

3.Award **ONE** mark for any of the following:

$\frac{7}{16} < \frac{6}{12} < \frac{5}{8}$

OR

$\frac{7}{16} < \frac{6}{12} < \frac{3}{4}$

OR

$\frac{7}{16} < \frac{5}{8} < \frac{3}{4}$

OR

$\frac{6}{12} < \frac{5}{8} < \frac{3}{4}$

[1]

4.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 × 2 = 21
  21 + 11 = 32
  32 × 3

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

Up to 2

[2]

5.35%

[1]

Day 5 – Answers

1.120

Commentary: Pupils are expected to use their knowledge of table facts to answer this question.

[1]

2.300

[1]

3.A quadrilateral with three acute angles, e.g.

Accept inaccurate drawing provided the intention is clear.

[1]

4. A rectangle with area 6 cm^2

A rectangle must be drawn but need not be shaded.

[1]

5. Award **TWO** marks for the correct answer of £12396.

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

■
£8264
× 4
£33056

OR

£33056
− 8264
£24792

£24792 ÷ 2

OR

■ £8264 ÷ 2 = £4132
£8264 + £4132

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

Up to 2

[2]

Day 6 – Answers

1.

$\frac{19}{20}$

*Accept equivalent fractions or an **exact** decimal equivalent, e.g. 0.95.*

***Do not** accept rounded or truncated decimals.*

[1]

2. 49 500

[1]

3. (a) 0.091 | 0.109 | 0.19 | 0.9

All four numbers in their correct places.

1

(b) 1/3 | 5/12 | 1/2 | 5/6

All four numbers in their correct places.

1

[2]

4.

2	5	8
2	9	7
5	5	5

Both numbers 5 and 7 must be correct.

Accept numbers wherever they are written provided the intention is clear.

[1]

5. 13.7

[1]

Day 7 – Answers

1.

$\frac{3}{8}$

*Accept equivalent fractions or an **exact** decimal equivalent, e.g. 0.375.*

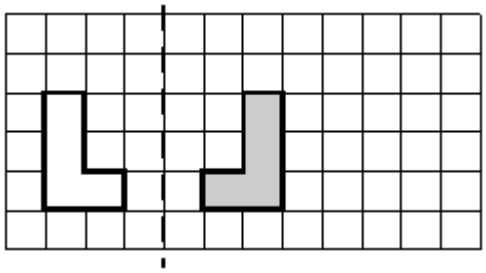
***Do not** accept rounded or truncated decimals.*

[1]

2.9.12

[1]

3. Correct position **AND** shape on grid.'



Shading is not required.

[1]

4. (a) –2 (wherever written).

No mark is awarded for "2–"

1

(b) 162 (wherever written).

1

[2]

5. 18 ÷ 3 × 5 = 30

[1]

Day 8 – Answers

1.

$\frac{5}{9}$

*Accept equivalent fractions or the **exact** decimal equivalent, e.g. 0.5 (accept any unambiguous indication of the recurring digit).*

***Do not** accept rounded or truncated decimals.*

[1]

2.14 399

[1]

3. 7 x 11 x 13

OR any permutation of these

Accept answers elsewhere on the page if boxes are blank.

[1]

4. Award **TWO** marks for correct answer of 120 OR 95
(if book is assumed to have two covers)

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

- 435 – 75 = 360
  360 ÷ 3
- 435 – 150 = 285
  285 ÷ 3

Up to 2

5. Award **TWO** marks for the correct answer of 28.
If answer is incorrect, award **ONE** mark for evidence of appropriate strategy, eg:

- 42 ÷3 × 2
- 3b and 2g
  6b and 4g
  42b and
- 3 6 9 12 42
  2 4 6 8

*An actual calculation is **not** required for the award of one mark.*
Appropriate strategy must include use of 3 : 2 (boys : girls) ratio.

Up to 2

[2]

Day 9 – Answers

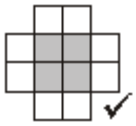
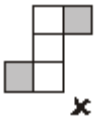
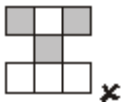
1.3815

[1]

2.6585

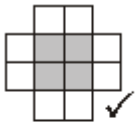
[1]

3. Award **TWO** marks for diagrams ticked or crossed as shown:


Accept alternative unambiguous indications, eg ***Y*** *or* ***N****.*

For ***TWO*** *marks, accept:*

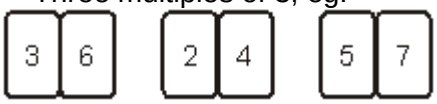



If the answer is incorrect, award **ONE** mark for three diagrams ticked or crossed correctly.

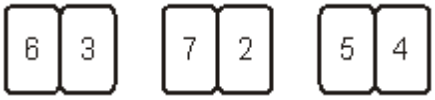
Up to 2

[2]

4. Three multiples of 3, eg:



OR



Multiples may be given in any order.

Digits may be in either order, eg 24 ***OR*** *42*

Do not *accept digits used more than once.*

Do not *accept digits other than those shown.*

U1

[1]

5. (a) 150

1

(b) 2

Accept A ***AND*** *D in either order.*

1

Day 10 – Answers

1. 460

[1]

2. 21

[1]

3. (a) Gives the correct volume, ie 600 cm^3

1

(b) Gives three values that multiply to 300

eg

- 3 cm by 10 cm by 10 cm
- 6 cm by 5 cm by 10 cm

Accept follow through as three values that multiply to half their volume for part (a)

Accept fractions or decimals

1

[2]

4. (a) 83mm **OR** 8cm 3mm

***Do not** accept 8.3mm*

1

(b) 29mm **OR** 2cm 9mm

***Do not** accept 2.9mm*

1

[2]

5. (a) $x =$ 55°

1

(b) $y =$ 145°

*If the answers for (a) and (b) are transposed, but otherwise correct, award **ONE** mark only, in the (b) box.*

1

[2]