

1 (a) On the number grid, shade all the multiples 6 (a) What temperature is 4 degrees lower of 2 and circle all the multiples of 3

4	5	6	7	8	9
14	15	16	17	18	19
24	25	26	27	28	29
34	35	36	37	38	39

- (b) Write down two numbers between 40 and 50 which are multiples of both 2 and 3 _____
- 2 (a) What is the largest number which is a factor of both 12 and 18?
 - (b) Complete the factor rainbow to show all of the factor pairs for 12
 - 1 2 _____ 12
- 3 (a) Count forwards in 100s from 1000 1000 _____ ___ ___
 - (b) Count backwards in 10s from 220
 - 220 _____ ____ ____
- 4 Write the next two terms in each sequence.
 - (a) 1, 5, 9, 13, _____, ____,
 - (b) 1, 2, 4, 8, _____, ____
- 5 (a) Circle the prime numbers in the list below.
 - 23 39 45 57 61 77 87
 - (b) List the prime numbers between 10 and 20
 - (c) Write down two prime factors of 24



- than 3°C?
- (b) What number is 7 more than ⁻³ (negative 3)?

°C

- 7 Write down
 - (a) the square of 4 _____
 - (b) 3³ (the cube of 3) _____
 - (c) all of the square numbers between 10 and 30
- 8 (a) Write five hundred and twenty-four in figures.
 - (b) Write 3056 in words.
 - (c) Write in figures the Roman number DCCLXXVI.
- 9 (a) What is the value of the 8 in 508075?
 - (b) Draw beads on the abacus to represent the number which is 5 more than 508075



- 10 (a) Multiply 345 by 10 _____
 - (b) Divide 7080 by 100 _____



1 (a) If these numbers are arranged in order of size, which will be in the middle?

345 534 354 543 453

- (b) Write down the number which is exactly half way between 22 and 30 _____
- 2 (a) On the scale, mark the positions of 4 and ⁻²



(b) On the scale, mark the positions of 0.2 and 1.3

- 3 (a) On the scale, mark the position of 5
 - (b) On the scale, mark the position of 25
- 4 (a) Round 7459 to the nearest 100
 - (b) Round 909 090 to the nearest 10 000
- **5** (a) Round 5.43 to the nearest whole number.
 - (b) Round 17.56 to 1 decimal place.
- 6 (a) Shade a quarter of this shape.



- (b) Complete these equivalent fractions:
 - $\frac{1}{4} = \frac{1}{8}$

(c) Write these fractions in order of increasing size: $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{12}$

Final score

%

(d) Write $1\frac{1}{2}$ as an improper fraction.

7 (a) Add: $\frac{3}{5} + \frac{1}{5}$

- **(b)** Subtract: $\frac{6}{7} \frac{4}{7}$
- 8 (a) Multiply: $\frac{1}{2} \times 4$
 - (b) Divide: $\frac{1}{4} \div 2$
- 9 (a) Write the fraction $\frac{35}{100}$ as a decimal.
 - (b) Write the decimal 0.43 as a fraction.
 - (c) Write 49% as a fraction.
 - (d) Write 65% as a decimal.
- 10 What is
 - (a) 10% of 650 g _____ g
 - (b) $\frac{4}{5}$ of £100? £_____





1 (a) On the number grid, shade all the multiples of 3 and circle all the multiples of 4

1	2	3	4	5	6
11	12	13	14	15	16
21	22	23	24	25	26
31	32	33	34	35	36

- (b) Write down a number between 40 and 50 which is a multiple of both 3 and 4
- 2 (a) What is the largest number which is a factor of both 45 and 30?_____
 - (b) Complete the factor rainbow to show all of the factor pairs for 28
 - 1 2 _____ 28
- 3 (a) Count forwards in 10s from 975 975 _____ ___
 - (b) Count backwards in 100s from 1040
 - _____
- 4 Write the next two terms in each sequence.
 - (a) 1, 4, 7, 10, _____, ____
 - **(b)** 1, 3, 9, 27, _____, ____,
- 5 (a) Circle the prime numbers in the list below.
 - 21 37 47 51 63 71 81
 - (b) List the first five prime numbers.
 - (c) Write down three prime factors of 42

- Final score
- 6 (a) What temperature is 7 degrees lower than 4°C?
 - (b) What number is 11 more than ⁻⁸ (negative 8)?
- 7 Write down
 - (a) the square of 2 _____

°C

- (b) 2³ (the cube of 2) _____
- (c) all of the square numbers between 30 and 70
- 8 (a) Write four thousand and eleven in figures.
 - (b) Write 14908 in words.
 - (c) Write in figures the Roman number MDCLXVIII.
- 9 (a) What is the value of the 7 in 17030?
 - (b) Draw beads on the abacus to represent the number which is 10 more than 30490



- **10 (a)** Multiply 4090 by 10 _____
 - (b) Divide 70 578 by 100 _____



1 (a) If these numbers are arranged in order of size, which will be in the middle?

729 927 279 972 792

- (b) Write down the number which is exactly half way between 43 and 53 _____
- 2 (a) On the scale, mark the positions of 7 and ⁻³

0 5 10

(b) On the scale, mark the positions of 0.5 and 1.2

- 3 (a) On the scale, mark the position of 7.5 $\frac{10}{10}$
 - (b) On the scale, mark the position of 80
- 4 (a) Round 4055 to the nearest 10 _____
 - (b) Round 394 549 to the nearest 100
- **5** (a) Round 7.61 to the nearest whole number.
 - (b) Round 7.072 to 1 decimal place.
- 6 (a) Shade a quarter of this shape.



(b) Complete these equivalent fractions: $\frac{1}{3} = \frac{1}{9}$



- (c) Write these fractions in order of increasing size: $\frac{2}{3}$, $\frac{11}{12}$, $\frac{3}{4}$
- (d) Write $1\frac{1}{3}$ as an improper fraction.

7 (a) Add:
$$\frac{2}{7} + \frac{1}{7}$$

- **(b)** Subtract: $\frac{4}{5} \frac{2}{5}$
- 8 (a) Multiply: $\frac{1}{3} \times 12$
 - (b) Divide: $\frac{2}{7} \div 2$
- 9 (a) Write the fraction $\frac{29}{100}$ as a decimal.
 - (b) Write the decimal 0.17 as a fraction.
 - (c) Write 20% as a fraction.
 - (d) Write 95% as a decimal.
- 10 What is
 - (a) 10% of 70 kg _____ kg
 - (b) $\frac{3}{5}$ of £10? £_____



Final score

(a) On the number grid, shade all the multiples of 3 and circle all the multiples of 5

31	32	33	34	35	36
41	42	43	44	45	46
51	52	53	54	55	56
61	62	63	64	65	66

- (b) Write down a number between 10 and 20 which is a multiple of both 3 and 5
- 2 (a) What is the largest number which is a factor of both 24 and 36?
 - (b) Complete the factor rainbow to show all of the factor pairs for 45
 - 1 _____ 45
- 3 (a) Count forwards in 100s from 1700

- (b) Count backwards in 10s from 1020 1020 _____
- 4 Write the next two terms in each sequence.
 - (a) 1, 7, 13, 19, _____, ____
 - **(b)** 100, 91, 82, 73, _____, ____,

- 5 (a) Circle the prime numbers in the list below.
 - 15 27 33 43 57 67 77
 - (b) List the prime numbers between 30 and 40 _____
 - (c) Write down three prime factors of 30

- 6 (a) What temperature is 5 degrees higher than ⁻⁷°C?
 - (b) What number is 11 lower than 8?
- 7 Write down
 - (a) the square of 7 _____

____°C

- (b) 1³ (the cube of 1) _____
- (c) all of the square numbers between 40 and 90
- 8 (a) Write thirty thousand, two hundred and seventeen in figures.
 - (b) Write 13 400 in words.
 - (c) Write in figures the Roman number CCCLXXXVII.
- 9 (a) What is the value of the 6 in 25600?
 - (b) Draw beads on the abacus to represent the number which is 1 more than 989989



- 10 (a) Multiply 7905 by 10 _____
 - (b) Divide 45 700 by 1000 _____



1 (a) If these numbers are arranged in order of size, which will be in the middle?

2351 2315 2153 2135 2513

- (b) Write down the number which is exactly half way between 28 and 54
- 2 (a) On the scale, mark the positions of ⁻4 and 8
 - 0 5 10
 - (b) On the scale, mark the positions of 0.4 and 1.1

- 3 (a) On the scale, mark the position of 3
 - (b) On the scale, mark the position of 90
- 4 (a) Round 3069 to the nearest 100
 - (b) Round 74890 to the nearest 1000
- 5 (a) Round 1.499 to the nearest whole number.
 - (b) Round 12.47 to 1 decimal place.
- 6 (a) Shade $\frac{1}{6}$ of this shape.



(b) Complete these equivalent fractions: $\frac{2}{5} = \frac{1}{15}$ (c) Write these fractions in order of increasing size: $\frac{2}{5}$, $\frac{3}{10}$, $\frac{7}{20}$

Final score

20

%

- (d) Write $\frac{5}{2}$ as a mixed number.
- 7 (a) Add: $\frac{2}{9} + \frac{5}{9}$
 - **(b)** Subtract: $\frac{5}{8} \frac{1}{8}$
- $\frac{10}{10}$ 8 (a) Multiply: $\frac{1}{5} \times 100$
 - (b) Divide: $\frac{4}{5} \div 4$
 - 9 (a) Write the fraction $\frac{8}{100}$ as a decimal.
 - (b) Write the decimal 0.28 as a fraction.
 - (c) Write 80% as a fraction.
 - (d) Write 10% as a decimal.
 - 10 What is
 - (a) 20% of 80 litres _____ litres
 - **(b)** $\frac{1}{4}$ of £18? £ _____