No Nonsense
Maths

9–10
years

Recognising and ordering very big numbers

1. Write these numbers as words.

   a 4623 _____

   b 12431 _____

   c 116400 _____

   d 500022 _____

2. Add the correct 'more than' (>) or 'less than' (<) sign.

   a 3621 ☐ 3261   **b** 9361 ☐ 9316   **c** 27654 ☐ 26754

   d 47238 ☐ 47328   **e** 376487 ☐ 367487   **f** 825109 ☐ 825019

Lesson 2

Negative numbers

1. Answer these questions about rising and falling temperature.

   a The temperature is 8°C. It falls by 13°C.   What is the temperature now? _____

   b The temperature is -7°C. It rises by 11°C.   What is the temperature now? _____

   c The temperature is -14°C. It rises by 19°C.   What is the temperature now? _____

   d The temperature is 3°C. It falls by 9°C.   What is the temperature now? _____

2. Put these numbers in order, lowest first.

   a –3   13   2   0   –2   _____   _____   _____   _____   _____

   b 5   9   –2   7   –7   _____   _____   _____   _____   _____

   c –8   –4   1   –1   4   _____   _____   _____   _____   _____

0   Tough   OK   Got it!   17

Total

17

Addition and subtraction

1. **Work out the answers to these addition questions.**

a
```
  1 4 4
+   3 7
_____
```

b
```
  2 5 5
+ 1 3 6
_____
```

c
```
  3 1 5
+ 2 4 8
_____
```

2. **Work out the answers to these subtraction questions.**

a
```
  1 4 4
−   3 7
_____
```

b
```
  2 5 5
− 1 3 6
_____
```

c
```
  3 1 5
− 2 4 8
_____
```

Lesson 4

Multiplying and dividing by 10 and 100

1. **Work out the answers to these questions.**

a 25 x 10 = _____   b 720 ÷10 = _____   c 140 x10 = _____

d 3600 ÷ 10 = _____   e 230 x 10 = _____   f 33 x 100 = _____

g 124 x 100 = _____   h 1200 ÷ 100 = _____   i 12 300 ÷ 100 = _____

2. **Complete these number sentences.**

a 470 ____ 10 = 47   b 22 ____ 10 = 220   c 3300 ____ 10 = 330

d 110 ____ 10 = 1100   e 97 ____ 100 = 9700   f 5800 ____ 100 = 58

g 370 ____ 100 = 37 000   h 456 ____ 100 = 45 600   i 140 000 ____ 100 = 1400

| 0 | Tough | OK | Got it! | 24 |

Total
24

2, 3, 4, 5, 6, 7, 10 times tables

1. **Answer these questions.**

   a What are five sevens? _____

   b Multiply 3 by 9. _____

   c What is six multiplied by 8? _____

   d Multiply 5 by 4. _____

   e What are four tens? _____

   f What is seven times seven? _____

   g Multiply 6 by 3. _____

   h What is 10 times 9? _____

Lesson 6

Time

1. **Solve this problem.**

   Sam needs to leave for school at 08:10 each morning.

   It takes him 10 minutes to have a shower and clean his teeth, 5 minutes to get dressed, 10 minutes to have breakfast, 5 minutes to pack his bag and 5 minutes to put gel in his hair!

   a How long does it take him to get ready for school? _____

   b If he got up at 07:55 how late would he be? _____

   c What time does he need to get up to leave on time? _____

   If he cycles to school instead of walking he can leave 10 minutes later.

   d What time would he need to get out of bed if he cycled? _____

| 0 | Tough | OK | Got it! | 12 |

Total

12

Length

1. **What is the abbreviation for...**

   a kilometres? _____   **b** metres? _____

   c centimetres? _____   **d** millimetres? _____

2. **Answer these questions.**

   a 2 kilometres = _____ metres   **b** 400 centimetres = _____ metres

   c 30 millimetres = _____ centimetres   **d** 3 metres = _____ centimetres

   e 5 centimetres = _____ millimetres   **f** 1 metre = _____ millimetres

   g ½ metre = _____ centimetres   **h** ¾ metre = _____ centimetres

Lesson 8

Perimeter

1. **Draw a rectangle with a perimeter of...**

   a 22 cm   **b** 18 cm

| 0 | Tough | OK | Got it! | 14 |

Total

14

No Nonsense
Maths

Which operation? +, −, ×, ÷

9–10
years

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1. **Complete these number sentences.**

   a 254 ☐ 253 = 1

   b 546 ☐ 13 = 42

   c 782 ☐ 326 = 456

   d 39 ☐ 39 = 1521

   e 29 ☐ 2 = 58

   f 92 ☐ 4 = 368

2. **Solve these problems.**

   a I think of a number and then subtract 12.
   The answer is 23.
   What was my number? _____

   b I think of a number, add 3 and divide by 2.
   The answer is 13.
   What was my number? _____

Lesson 10

Number bonds

---

1. **Complete these pairs of numbers that total 100.**

   a 2___ + ___6 = 100

   b 7___ + ___3 = 100

   c ___2 + 3___ = 100

   d ___9 + 4___ = 100

   e 4___ + ___1 = 100

   f 5___ + ___7 = 100

   g ___3 + 6___ = 100

   h ___1 + 8___ = 100

   i 1___ + ___4 = 100

   j 7___ + ___8 = 100

   k ___5 + 7___ = 100

   l ___3 + 2___ = 100

2. **Complete these pairs of numbers that total 1000.**

   a 12___ + ___76 = 1000

   b 37___ + ___23 = 1000

   c ___42 + 35___ = 1000

   d ___29 + 47___ = 1000

| 0 | Tough | OK | Got it! | 24 |

Total
☐ 24

Round a number to the nearest 10, 100 or 1000

1. Round these numbers to the nearest 10, 100 or 1000.

	nearest 10	nearest 100	nearest 1000
a 1134			
b 3286			
c 5421			
d 7367			
e 8012			
f 12 645			
g 18 314			
h 26 875			

Lesson 12

Multiplication

1. Complete these number sentences.

a $60 \times 7 =$ _____   **b** $4 \times 80 =$ _____   **c** $50 \times 8 =$ _____

2. Complete these multiplications.

a	3 1	**b**	6 2	**c**	5 6
$\times$	7	$\times$	4	$\times$	5

0   Tough   OK   Got it!   14

Total
14

Division

---

1. **Answer these division questions. Be careful, some have remainders!**

    a 56 ÷ 3 = _____ r _____

    b 114 ÷ 6 = _____ r _____

    c 89 ÷ 7 = _____ r _____

    d 138 ÷ 5 = _____ r _____

    e 93 ÷ 2 = _____ r _____

    ƒ 263 ÷ 4 = _____ r _____

Lesson 14

Calculations

1. **Write calculations using the inverse operations.**

    a 1436 + 97 = 1533 _____

    b 24 × 6 = 144 _____

    c 150 ÷ 6 = 25 _____

    d 446 − 123 = 323 _____

    e 216 ÷ 36 = 6 _____

    ƒ 602 + 237 = 839 _____

    + is the inverse of −
    − is the inverse of +
    × is the inverse of ÷
    ÷ is the inverse of ×

| 0 | Tough | OK | Got it! | 12 |

Total
/12

8 times table

No Nonsense
Maths
9–10
years

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1. Answer these multiplication questions.

a What are five eights? _____

b Multiply 9 by 8. _____

c What is 3 multiplied by 8? _____

d Times eight by four. _____

e Multiply seven by eight. _____

f What are 10 eights? _____

g What is two times eight? _____

h Times 8 by 8. _____

Lesson 16

Fractions

---

1. What is...

a $\frac{1}{2}$ of 30? _____   **b** $\frac{1}{6}$ of 42? _____

c $\frac{1}{4}$ of 28? _____   **d** $\frac{1}{3}$ of 18? _____

e $\frac{1}{5}$ of 45? _____   **f** $\frac{1}{6}$ of 24? _____

g $\frac{1}{3}$ of 27? _____   **h** $\frac{1}{2}$ of 46? _____

i $\frac{1}{6}$ of 12? _____   **j** $\frac{1}{5}$ of 35? _____

Tough	OK	Got it!

0   18

Total

18

No Nonsense
Maths

9-10
years

Mass

1. Which unit of measurement would you use to measure...

a a horse? _____

b a.banana? _____

c a desk? _____

d an exercise book? _____

e a pencil? _____

f a bicycle? _____

g a tomato? _____

h an adult? _____

Area

1. What is the area of a rectangle with...

a a length of 6 cm and a width of 5 cm? _____

b a length of 8 cm and a width of 4 cm? _____

c a length of 7 cm and a width of 6 cm? _____
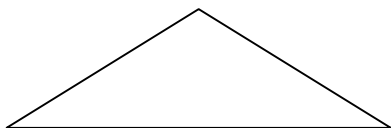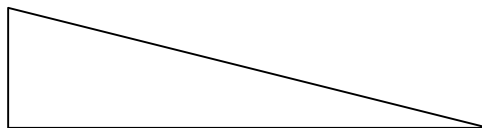
0   Tough   OK   Got it!   11

Total
11

Shape

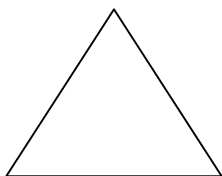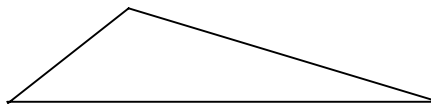**1. Label these triangles (equilateral, isosceles, scalene or right-angled).**

a

_____

b

_____

c

_____

d

_____

Lesson 20

Number sequences

1. Complete these number sequences and write the rule.

a

32	26	20	14	8	2	- 4					

Rule: _____

b

146	154	162	170	178	186	194					

Rule: _____

0   Tough   OK   Got it!   6

Total

6

Multiplication and division

1. **Solve these multiplication and division problems.**

   a Asim has got 105 cubes laid out in rows of 7.

   How many rows of cubes has he got?

   _____

   b There are 24 ice lollies in a box.

   Mr Jones orders 14 boxes for the summer fair.

   How many ice lollies does he buy?

   _____

Lesson 22

9 times table

1. **Answer these multiplication questions.**

   a What are seven nines? _____

   b Multiply 3 by 9. _____

   c What is 6 multiplied by 9? _____

   d Times nine by five. _____

   e Multiply eight by nine. _____

   f What are 4 nines? _____

   g What is two times nine? _____

   h Times 9 by 9. _____

| 0 | Tough | OK | Got it! | 10 |

Total

/10

Multiples and factors

1. **Answer these questions.**

   a Write the multiples of 6 between 20 and 40. _____

   b Write the multiples of 8 between 20 and 40. _____

   c Write the multiples of 7 between 20 and 40. _____

2. **List the factors for these numbers.**

   a 12   ____ ____ ____ ____ ____ ____

   b 28   ____ ____ ____ ____ ____ ____

   c 40   ____ ____ ____ ____ ____ ____ ____ ____

Lesson 24

Square numbers

1. **Answer these questions.**

   a $6 \times 6 =$ _____

   b $16 =$ ____^{2}

   c $3^2 =$ _____ × _____

   d $8 \times 8 =$ _____

   e $7^2 =$ _____

   f $100 =$ _____ × _____

0	Tough	OK	Got it!	12

Total

/12

Decimals

---

1. Round these decimals to the nearest whole number.

   a 14.12 rounded to the nearest whole number is _____.

   b 17.87 rounded to the nearest whole number is _____.

   c 19.65 rounded to the nearest whole number is _____.

2. Match the equivalent numbers with a line.

   a 2.75   •   • $2\frac{1}{2}$

   b 2.5   •   • $2\frac{1}{4}$

   c 2.25   •   • $2\frac{3}{4}$

Lesson 26

Solving problems

---

1. Find the answers to these problems.

   a Aiden thinks of a number.

     He adds 11 and multiplies it by 10.

     The answer is 120.

     What is the number Aiden first thought of? _____

   b Melody thinks of a number.

     She subtracts 17 and multiplies it by 2.

     The answer is 78.

     What is the number Melody first thought of? _____

| 0 | Tough | OK | Got it! | 8 |

Total

8

Capacity

1. **Match the equivalent measurements with a line.**

   a 1200 ml •   • 2 l 300 ml

   b 3200 ml •   • 1 l 200 ml

   c 2300 ml •   • 2 l 100 ml

   d 2100 ml •   • 3 l 200 ml

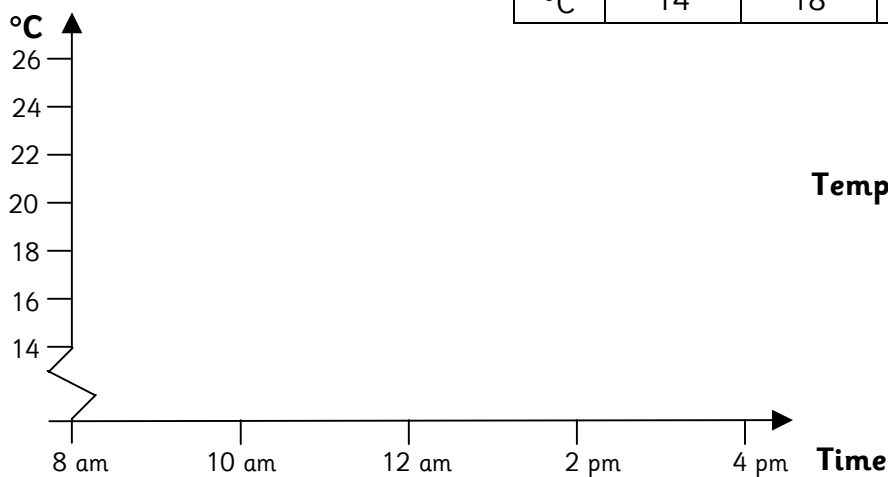2. **Write these millilitre measurements in litres and millilitres.**

   a 3400 ml = _____ l _____ ml

   b 5800 ml = _____ l _____ ml

   c 8900 ml = _____ l _____ ml

Lesson 28

Line graphs

1. **Draw a line graph to show the following information.**

Time	8 am	10 am	12 am	2 pm	4 pm
°C	14	18	24	26	22

°C

26 —
24 —
22 —
20 —
18 —
16 —
14 —

Temperature on 5ᵗʰ July

8 am   10 am   12 am   2 pm   4 pm   **Time**

0   Tough   OK   Got it!   8

Total

8