Lesson 1

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? _____

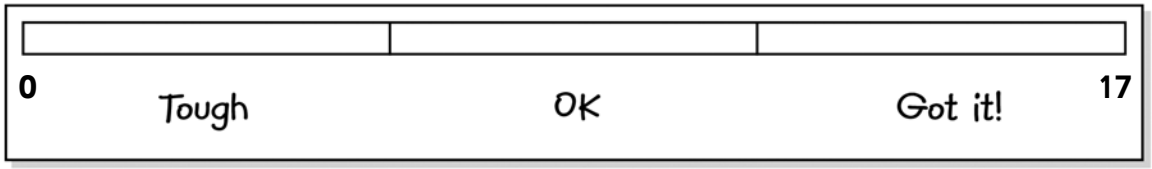
d The temperature is 3°C. It falls by 9°C. What is the temperature now? _____

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 _____ _____ _____ _____ _____



Total ___/17

Lesson 3

Addition and subtraction

No Nonsense **Maths** 9–10 years

1. Work out the answers to these addition questions.

a
$$\begin{array}{r} 144 \\ +\ 37 \\ \hline \\ \hline \end{array}$$

b
$$\begin{array}{r} 255 \\ +136 \\ \hline \\ \hline \end{array}$$

c
$$\begin{array}{r} 315 \\ +248 \\ \hline \\ \hline \end{array}$$

2. Work out the answers to these subtraction questions.

a
$$\begin{array}{r} 144 \\ -\ 37 \\ \hline \\ \hline \end{array}$$

b
$$\begin{array}{r} 255 \\ -136 \\ \hline \\ \hline \end{array}$$

c
$$\begin{array}{r} 315 \\ -248 \\ \hline \\ \hline \end{array}$$

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 = _____

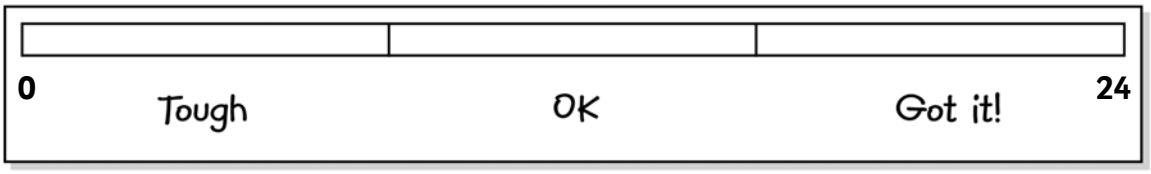
g 124 x 100 = _____ **h** 1200 ÷ 100 = _____ **i** 12 300 ÷ 100 = _____

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



Total ____/24

Lesson 5

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

No Nonsense **Maths**

9–10 years

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!

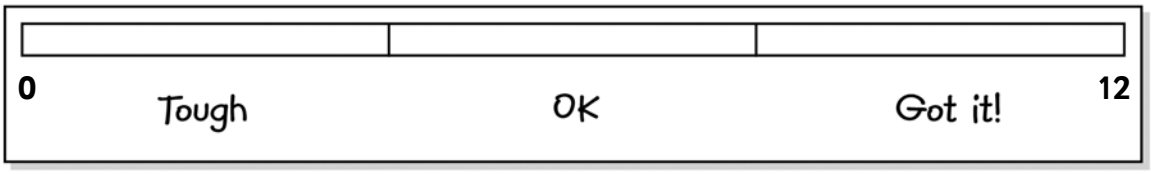
a How long does it take him to get ready for school? _____

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? _____



Total

/12

Lesson 7

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

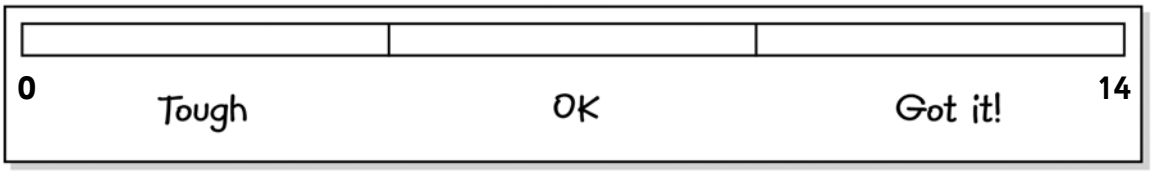
g ½ metre = _____ centimetres **h** ¾ metre = _____ centimetres

Lesson 8

Perimeter

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

a 22 cm **b** 18 cm



Total
/14

Which operation? +, −, ×, ÷

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? _____

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

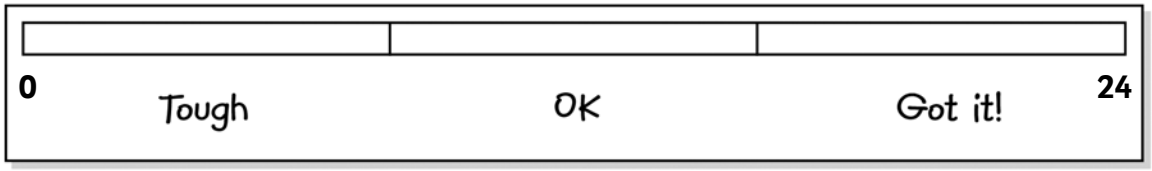
2. Complete these pairs of numbers that total 1000.

a 12___ + ___76 = 1000

b 37___ + ___23 = 1000

c ___42 + 35___ = 1000

d ___29 + 47___ = 1000



Total ☐/24

Lesson 11

Round a number to the nearest 10, 100 or 1000

No Nonsense **Maths**

9–10 years

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 × 7 = _____ **b** 4 × 80 = _____ **c** 50 × 8 = _____

2. Complete these multiplications.

a
$$\begin{array}{r} 31 \\ \times\ 7 \\ \hline \\ \\ \hline \\ \\ \hline \end{array}$$

b
$$\begin{array}{r} 62 \\ \times\ 4 \\ \hline \\ \\ \hline \\ \\ \hline \end{array}$$

c
$$\begin{array}{r} 56 \\ \times\ 5 \\ \hline \\ \\ \hline \\ \\ \hline \end{array}$$

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____

f 263 ÷ 4 = _____r____

Calculations

1. Write calculations using the inverse operations.

a 1436 + 97 = 1533 _____

b 24 × 6 = 144 _____

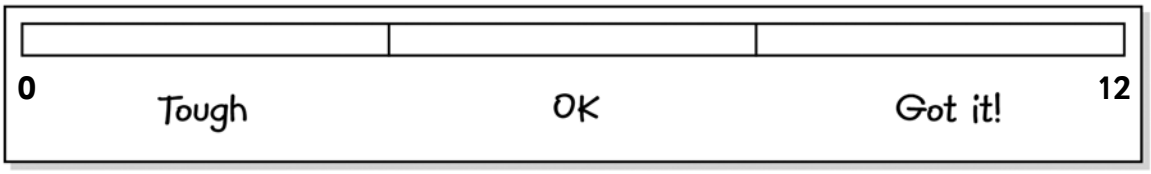
c 150 ÷ 6 = 25 _____

d 446 – 123 = 323 _____

e 216 ÷ 36 = 6 _____

f 602 + 237 = 839 _____

+ is the inverse of –
– is the inverse of +
× is the inverse of ÷
÷ is the inverse of ×



Total ____/12

Lesson 15

8 times table

No Nonsense **Maths**

9–10 years

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? _____

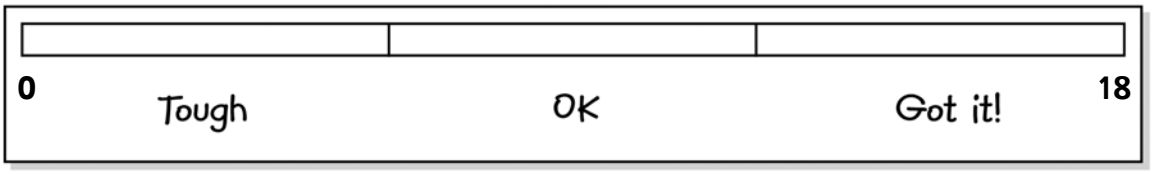
f $\frac{1}{6}$ of 24? _____

g $\frac{1}{3}$ of 27? _____

h $\frac{1}{2}$ of 46? _____

i $\frac{1}{6}$ of 12? _____

j $\frac{1}{5}$ of 35? _____



Total

/18

Lesson 17

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? _____

Lesson 18

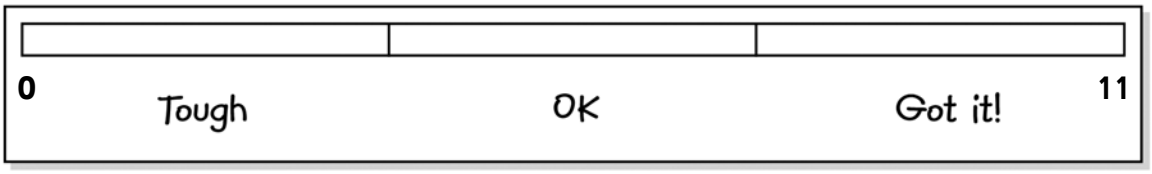
Area

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? _____



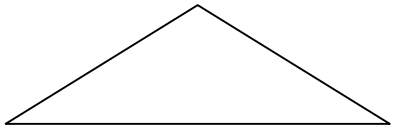
Total
/11

Lesson 19

Shape

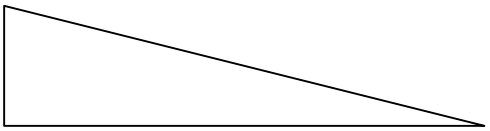
1. Label these triangles (equilateral, isosceles, scalene or right-angled).

a



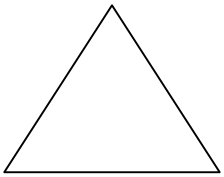
_____

b



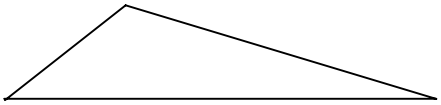
_____

c



_____

d



_____

Lesson 20

Number sequences

1. Complete these number sequences and write the rule.

a

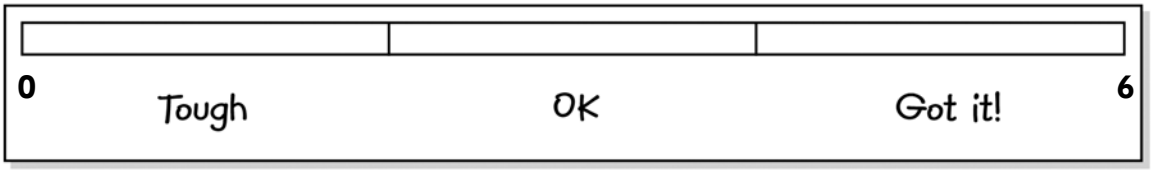
32	**26**	**20**	**14**	**8**	**2**	**- 4**					

Rule: _____

b

146	**154**	**162**	**170**	**178**	**186**	**194**					

Rule: _____



Total

6

Lesson 21

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? _____

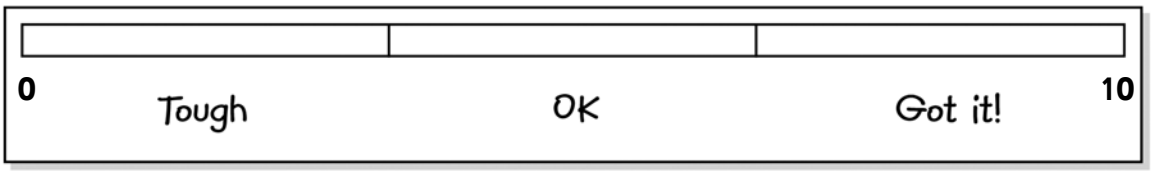
d Times nine by five. _____

e Multiply eight by nine. _____

f What are 4 nines? _____

g What is two times nine? _____

h Times 9 by 9. _____



Total
/10

Lesson 23

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 $3^2 =$ _____ $\times$ _____

d $8 \times 8 =$ _____

e $7^2 =$ _____

f $100 =$ _____ $\times$ _____

0	Tough	OK	Got it!	12

Total ___/12

Lesson 25

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.

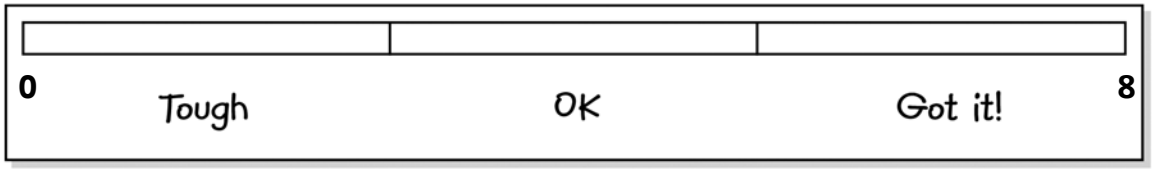
What is the number Aiden first thought of? _____

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? _____



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

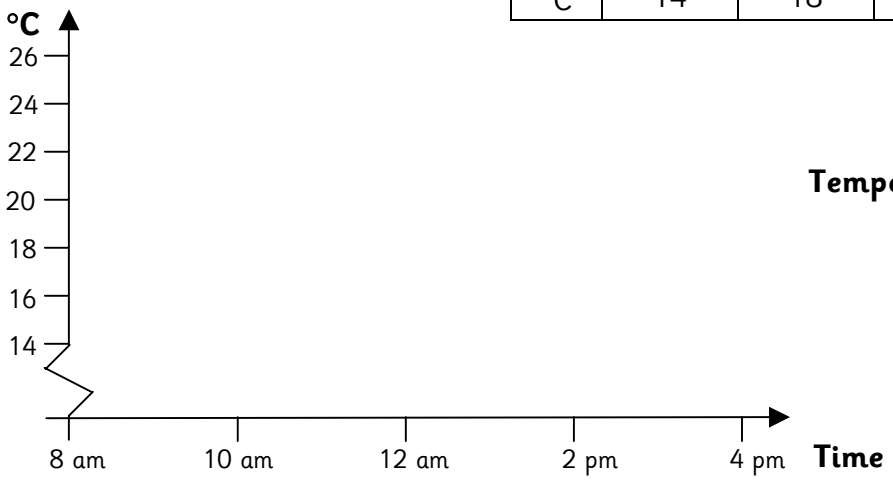
b 5800 ml = _____l _____ ml

c 8900 ml = _____l _____ ml

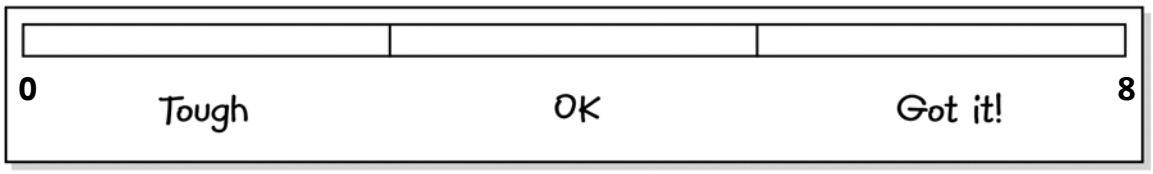
Line graphs

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



Temperature on 5th July



Total

/8

Bond No Nonsense Maths 9-10 Years Answers

Lesson 1

1. a four thousand, six hundred and twenty-three
b twelve thousand, four hundred and thirty-one
c one hundred and sixteen thousand, four hundred
d five hundred thousand and twenty-two

2. a > **b** > **c** < **d** <
e > **f** >

Lesson 2

1. a -5°C **b** 4°C **c** 5°C **d** -6°C

2. a –3, –2, 0, 2, 13 **b** –7, –2, 5, 7, 9
c –8, –4, –1, 1 4

Lesson 3

1. a 181 **b** 391 **c** 563

2. a 107 **b** 119 **c** 67

Lesson 4

1. a 250 **b** 72 **c** 1400 **d** 360
e 2300 **f** 3300 **g** 12 400 **h** 12
i 123

2. a ÷ **b** × **c** ÷ **d** ×
e × **f** ÷ **g** × **h** ×
i ÷

Lesson 5

1. a 35 **b** 27 **c** 48 **d** 20
e 40 **f** 49 **g** 18 **h** 90

Lesson 6

1. a 35 minutes **b** 20 minutes
c 07:35 **d** 07:45

Lesson 7

1. a km **b** m **c** cm **d** mm

2. a 2000 **b** 4 **c** 3 **d** 300
e 50 **f** 1000 **g** 50 **h** 75

Lesson 8

1. Answers will vary.

Lesson 9

1. a – **b** ÷ **c** – **d** ×
e × **f** ×

Lesson 10

1. a 24, 76 **b** 77, 23 **c** 62, 38 **d** 59, 41
e 49, 51 **f** 53, 47 **g** 33, 67 **h** 11, 89
i 16, 84 **j** 72, 28 **k** 25, 75 **l** 73, 27

2. a 124, 876 **b** 377, 623
c 642, 358 **d** 529, 471

Lesson 11

1. a 1130, 1100, 1000
b 3290, 3300, 3000
c 5420, 5400, 5000
d 7370, 7400, 7000
e 8010, 8000, 8000
f 12 650, 12 600, 13 000
g 18 310, 18 300, 18 000
h 26 880, 26 900, 27 000

Lesson 12

1. a 420 **b** 320 **c** 400

2. a 217 **b** 248 **c** 280

Lesson 13

1. a 18 r2 **b** 19 **c** 12 r5 **d** 27 r3
e 46 r1 **f** 65 r3

Lesson 14

1. a 1533 – 1436 = 97 or 1533 – 97 = 1436
b 144 ÷ 24 = 6 or 144 ÷ 6 = 24
c 25 × 6 = 150 or 6 × 25 = 150
d 323 + 123 = 446 or 123 + 323 = 446
e 36 × 6 = 216 or 6 × 36 = 216
f 839 – 602 = 237 or 839 – 237 = 602

Lesson 15

1. a 40 **b** 72 **c** 24 **d** 32
e 56 **f** 80 **g** 16 **h** 64

Lesson 16

1. a 15 **b** 7 **c** 7 **d** 6
e 9 **f** 4 **g** 9 **h** 23
i 2 **j** 7

Lesson 17

1. a kg **b** g **c** kg **d** g
e g **f** kg **g** g **h** kg

Lesson 18

1. a 30 cm^2 **b** 32 cm^2 **c** 42 cm^2

Lesson 19

1. a isosceles **b** right-angled
c equilateral **d** scalene

Lesson 20

1. a

32	26	20	14	8	2	- 4	**-10**	**-16**	**-22**	**-28**	**-34**

b

146	154	162	170	178	186	194	**202**	**210**	**218**	**226**	**234**

Lesson 21

1. a 15 **b** 336

Lesson 22

1. a 63 **b** 27 **c** 54 **d** 45
e 72 **f** 36 **g** 18 **h** 81

Lesson 23

1. a 24, 30, 36 **b** 24, 32
c 21, 28, 35
2. a 1, 2, 3, 4, 6, 12 **b** 1, 2, 4, 7, 14, 28
c 1, 2, 4, 5, 8, 10, 20, 40

Lesson 24

1. a 36 **b** 4^2 **c** 3×3 **d** 64
e 49 **f** 10×10

Lesson 25

1. a 14 **b** 18 **c** 20
2. a 2.75, $2\frac{3}{4}$ **b** 2.5, $2\frac{1}{2}$
c 2.25, $2\frac{1}{4}$

Lesson 26

1. a 1 **b** 56

Lesson 27

1. a 1200 ml, 1 l 200 ml **b** 3200 ml, 3 l 200 ml
c 2300 ml, 2 l 300 ml **d** 2100 ml, 2 l 100 ml
2. a 3 l 400 ml **b** 5 l 800 ml
c 8 l 900 ml

Lesson 28

1.