Level 14 Card 1   Times tables this term: x2, x5, x10, x3, x4

1. **Counting**
   a) Count by threes from 0 to 72. (Use a number chart and colour in every third number)
   b) Use the same number chart and colour in every 6th number.
   c) Write your 6 times tables.

2. **Doubling and halving**
   a) Double 280. (If I double 200 I will get □. If I double 80 I will get □.) Answer = □
   b) Double 370 the same way.
   c) Half of 300. (200 + 100) (Find half of 200 and half of 100. Add them together)
   d) Half of 500. (400 + 100)
   e) Half of 780. (600 + 180)

3. **Write the next number in the pattern:**
   a) 2596, 2597, 2598, _____
   b) 2342, 2344, 2346, 2348, _____
   c) 6, 12, 18, _____

4. **Write the even number**
   a) between 546 and 550
   b) between 1023 and 1025
   c) between 999 and 1001

Level 14 Card 2

1. **Write in figures:**
   a) Seven hundred and thirty-five
   b) Five thousand nine hundred and forty-seven
   c) Twenty-seven thousand six hundred and fifty-two

2. **What number is…?**
   a) 300 more than 7,596
   b) 600 more than 43,270
   c) 700 more than 24,108
   d) 200 less than 27,846
   e) 700 less than 12,760
   f) 3000 more than 46,142

3. **Put = or ≠ in the boxes**
   a) 4,300 □ 400 + 3,000 + 0 + 0
   b) 3 + 300 + 30 + 3,000 □ 3,333
   c) 32,462 □ 3,200 + 400 + 60 +2
   d) 500 + 600 + 900 □ 2,000
   e) 80 + 9 + 7,000 + 200 □ 7,298
   f) 40 + 800 + 3 + 80,000 □ 88,403

Level 14 Card 3

1. Place value

a) What is the 6 worth in the number 763?

b) What is the value of the 8 in the number 1852?

c) In which of these numbers does the 2 have the greatest value? … 162, 624, 462

2. Addition with bridging

a)   354   = □ + □

      + 248   = □ + □

                 □ + □ = □

b) 1504

      + 79

3. Subtraction with bridging

a) 76   (60 + 16)

    − 49   − (40 + 9)

Set these out in the same way:

b) 84 – 26

c) 98 – 39

d) 42 – 18

e) 24 – 19

f) 82 – 78

g) 66 – 27

Level 14 Card 4

1. Place value

   a) 4,298 The 2 is worth _____

   b) 8,739 The 3 is worth _____

   c) 2,482   The 4 is worth _____

   d) 1,876   The 6 is worth _____

2. Multiplication

    43

    X 2

     6

    80

    86

Now set out these in the same way:

a) 53 X 3

b) 82 X 4

c) 71 X 6

d) 91 X 5

e) 64 X 2

f) 21 X 9

g) 92 X 4

h) 27 x 4

i) 36 x 8

Level 14 Card 5

1. Place value

a) Rearrange the digits in 48,063 so that the 48 is 48 tens and the 63 is 63 thousand.

b) Make the smallest possible number using the digits 5,8,2,4,7.

c) Make the smallest possible number using the digits 4,5,0,8,9

2. Problem solving

a) Find the difference between 242 and 6.

b) Subtract 14 from 286.

c) Take 12 from 153.

d) Multiply 7 by 4.

e) Find the product of 6 and 7.

f) Increase 133 by 5.

g) Find the sum of 428 and 131.

3. Equations

a) 6 x 5 + 15 =

b) 7 x 3 = 11 =
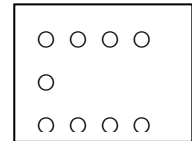
c) 7 x 5 − 2 =

d) 36 ÷ 6 − 4 =

e) 42 ÷ 6 + 5 =

f) 32 ÷ 4 − 7 =

Level 14 Card 6

1. Place value
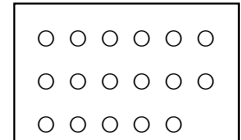
a) 23,428 − 2,000 =

b) 43,163 − 100 =

c) 54,392 − 50,000 =

d) 74,318 − 10 =

e) 68,439 − 6,000

f) 92,687 − 300 =

2. Fractions: Draw the circles.
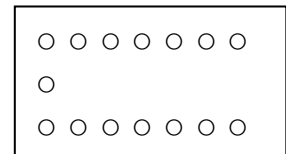
a) Divide them into 5 parts and colour ⅖ of them.

b) Divide them into 3 parts. Colour ⅔ of them.

c) Divide them into 8 parts. Colour ⅝ of them.

3. What change would I get?

a) I had $2 and I spent $1.30.

b) I had $5 and I spent $2.25.

c) I had $10 and spent $5.35.

d) I had $20 and spent $10.30.

e) I had $30 and spent $24.50

Level 14 Card 7

1. Write the figures for:

a) Five thousand, nine hundred and forty-seven.

b) Twenty-seven thousand, six hundred and fifty-two.

c) Two hundred and forty-seven thousand three hundred and nine.

2. Problem solving

    a) If $\Delta = \frac{1}{10}$ what does $\Delta\ \Delta\ \Delta\ \Delta\ \Delta$ equal?

    b) If $\Delta\ \Delta = 2$ what does $\Delta\ \Delta\ \Delta\ \Delta\ \Delta\ \Delta$ equal?

    c) If $\Delta = 3$ what does $\Delta\ \Delta\ \Delta$ equal?

    d) If $\Delta = 200$ what does $\Delta\ \Delta\ \Delta\ \Delta\ \Delta$ equal?

3. Equations (Brackets first)

a) $17 - 4 - 3 =$

b) $20 - (4 \times 3) =$

c) $(4 \times 6) + (2 \times 9) =$

d) $\square - 9 = 2$

e) $34 - \square + 5 = 24$

f) $20 - 2 - 9 - 4 =$

g) $30 \div (4 + 2) =$

h) $7 \times 5 \times 0 =$

i) $\frac{1}{2}$ of $240 + 56 =$

j) $2 \times 2 \times 2 =$

Level 14 Card 8

1. Multiplication and adding zeroes

Learn these rules:
To multiply by 10, add a zero, e.g. $5 \times 10 = 50$
To multiply by 100 add 2 zeroes, e.g. $5 \times 100 = 500$
To multiply 2 numbers in the tens, add 2 zeroes, e.g. 30×20. Multiply 3×2 and add 2 zeroes $= 600$

Now try these:

a) $28 \times 10 =$

b) $33 \times 100 =$

c) $50 \times 60 =$

d) $80 \times 30 =$

e) $14 \times 10 =$

f) 5×200

2. Equations

Do these in this order: **B**rackets; **O**f; **M**ultiply; **D**ivide; **A**dd; **S**ubtract (BOMDAS)

a) $16 - 9 + 5 =$

b) $2 \times 2 \times 2 =$

c) $\frac{4}{5}$ of $(20 + 5) =$

d) $15 - 9 \div 3 =$

e) $2 \times 4 + 2 \times 3 = 2 \times \square$

f) $240 - 118 - 118 =$

g) $217 \div 0 =$

Level 14 Card 9

1. Doubling and halving

What happens if I double one factor and halve the other:

a) If 4 x 6 = 24 then 2 x □ = 24
b) If 3 x 20 = 60 then □ x 40 = 60
c) If 12 x 6 = 72 then □ x 3 = 72
d) If 30 x 30 = 900 then 60 x □ = 900

2. Double

247	200 + 200	40 + 40	7 + 7
316	300 + 300	10 + 10	6 + 6
532			
489			
501			
739			

3. Halve

170	½ of 100	½ of 70	
246	½ of 200	½ of 40	½ of 6
362			
529			
530			

Level 14 Card 10

1. Write the words for these numbers:
   a) 60,048
   b) 62,408
   c) 60,248

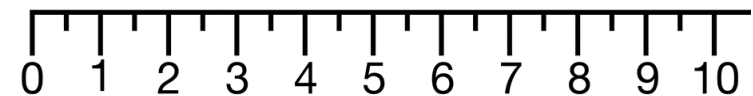**2. What number is exactly half way between?**
   a) 0 and 500
   b) 200 and 800
   c) 30 and 90
   d) 500 and 1000

3. Make the largest number possible using these digits:
   7 0 3 1 2

4. Working with half points on a number line

Draw your own number line like this:

a) How many parts between 0 and 1?
b) What is the point between 0 and 1 called?
c) What is 3 ½ and 2 more?
d) What is 4 plus 4 ½?
e) What is 7 take away 2 ½?
f) What is 2 ½ x 2?

Level 14 Card 11

1. Fill in the missing numbers:

a) $40 - 38 = 50 - \square$

b) $74 - 21 = 84 - \square$

c) $31 - 19 = \square - 29$

d) $24 + 21 = 34 + \square$

e) $62 + 27 = 52 + \square$

f) $55 + 29 = \square + 19$

2. = or ≠

a) $1478 + 9 \square 1487 + 11$

b) $8503 + 12 \square 5084 + 9$

c) $2083 + 11 \square 1982 + 12$

d) $7324 - 9 \square 7234 - 12$

e) $5400 - 8 \square 4500 - 9$

3. **Subtraction in your head.** Work these out without setting them out.

a) $1135 - 923 =$

b) $2597 - 1982 =$

c) $5772 - 4761 =$

d) $3392 - 2081 =$

e) $2556 - 2035 =$

f) $4352 - 3902 =$

g) $500 - 360 =$

h) $1000 - 680 =$

Level 14 Card 12

1. Write the number that is the nearest ten:

a) 46 ____ (50)

b) 29 ____

c) 82 ____

d) 36 ____

e) 71 ____

f) 68 ____

2. Write the number that is the nearest hundred:

a) 182 ____ (200)

b) 529 ____

c) 137 ____

d) 782 ____

e) 489 ____

f) 686 ____

3. Addition in your head. Work these out without setting them out:

a) $12{,}042 + 50 + 100 =$

b) $2{,}1241 + 2000 + 40 =$

c) $3{,}154 + 600 + 30 =$

d) $4{,}324 + 5 + 300 =$

e) $72{,}124 + 300 + 40 =$

f) $19{,}826 + 50 + 100 =$

g) $32{,}764 + 4 + 20 =$

Level 14 Card 13

1. Double these:

a) 347   (300 + 300) + (40 + 40) + (7 + 7)

Answer =

b) 529   (500 + 500) + (20 + 20) + (9 + 9+

Answer =

2. Draw the fractions mat.

1			
$\frac{1}{2}$		$\frac{1}{2}$	
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{8}$ $\frac{1}{8}$	$\frac{1}{8}$ $\frac{1}{8}$	$\frac{1}{8}$ $\frac{1}{8}$	$\frac{1}{8}$ $\frac{1}{8}$

a) How many halves = 1?

b) How many quarters = a half?

c) How many eighths = a quarter?

d) How many eighths = a half?

e) ⅛ + ⅛ =

f) ¼ + ¼ =

Level 14 card 14   **Test**

(Also test times tables: 2,3,4,5,6,10)

a) Write the next number in the pattern:

   3596, 3597, 3598, _____

b) Write the even number between 1035 and 1037.

c) Write in figures: Four thousand eight hundred and thirty-six

d) Write in words: 2,352

e)   334   = □ + □+ □

   + 248   = □ + □ + □

                 □ + □ + □ = □

f)   84   (70 + 14)

   − 59   − (+   )

g)   54

   X 2

h) 20 − 5 X 10 =   (Use BOMDAS)

i)   30 X 50 =

j)   Double 362

k) Add this in your head: 1,425 + 40 + 100

l)   I had $10 and spent $3.50. How much do I have left?

m) 75 + 39 = □ + 29

n) If 4 x 20 = 80, then □ x 40 = 80