

Level 15 Card 1 Times tables this term: x2, x5, x10, x3, x4, x6

1. Counting and ordering numbers

- a) What is the largest number in this list: 804, 840, 408, 84, 48
- b) What is the second largest number in this list: 309, 390, 93, 369
- c) Fill in the signs: < (less than) or > (greater than)

$964 \square 946$

$857 \square 875$

$690 \square 609$

2. Place value

- a) If $9 - 6 = \square$, then $900 - 600 = \square$
- b) If $12 - 4 = \square$, then $120 - 40 = \square$
- c) If $45 - 8 = \square$, then $450 - 80 = \square$

3. Double these

- a) 247 ($200 + 200 + 40 + 40 + 7 + 7$)
- b) 539 ($500 + 500 + 30 + 30 + 9 + 9$)

4. Subtraction (in your head or number chart)

- a) $2000 - 200 = \square$ $2000 - 220 = \square$ $2000 - 226 = \square$
- b) $3000 - 400 = \square$ $3000 - 460 = \square$ $3000 - 465 = \square$
- c) $5000 - 600 = \square$ $5000 - 620 = \square$ $5000 - 627 = \square$
- d) $7000 - 300 = \square$ $7000 - 350 = \square$ $7000 - 354 = \square$
- e) $9000 - 500 = \square$ $9000 - 570 = \square$ $9000 - 572 = \square$

Level 15 card 2

1. Counting and ordering numbers

- a) Fill in the blanks:

345, 337, 329, _____, _____, _____, _____

52, 43, 34, _____, _____, _____

339, 401, 403, 405, _____, _____, _____, _____

756, 749, 742, 735, _____, _____, _____, _____

- b) Arrange these numbers in correct order when counting by 9s: 54, 27, 45, 63, 36

2. Fill in the signs: < (less than) or > (greater than)

- a) $3 \times 40 + 7 \square 2 \times 30 + 9$
- b) $7 \times 800 + 40 \square 6 \times 700 + 90$
- c) $9 \times 50 + 39 \square 8 \times 60 + 42$
- d) $4 \times 300 + 13 \square 3 \times 500 + 21$

3. Subtraction (use the number chart or in your head)

- a) $1000 - 4 =$
- b) $2000 - 20 =$
- c) $4000 - 15 =$
- d) $3000 - 12 =$
- e) $5000 - 6 =$
- f) $7000 - 21 =$

4. Multiplication using times tables

$7 \times 20 =$ $4 \times 30 =$ $7 \times 30 =$ $8 \times 20 =$

$6 \times 50 =$ $9 \times 40 =$ $3 \times 80 =$ $9 \times 30 =$

Level 15 Card 3

1. Counting

a) There is a wrong number in the next group, when counting by 12s. What should it be?

12, 24, 36, 49, 60, 72

b) Which numbers are missing?

136, 130, ____, ____, 112, 106

2. Arrange these number from largest to smallest:

a) 2202, 2022, 2220, 2222

b) 4905, 4950, 5904, 5940

c) 26090, 2690, 26900, 29600

3. Fill in the missing figures in these equations:

a) $24 + 9 = \underline{\quad} + 4 + 9$

b) $33 - 8 = 20 + \underline{\quad} - 8$

c) $3 \times 40 = 3 \times \underline{\quad} \times 4$

d) $3 \times 10 \times 6 = 18 \times \underline{\quad}$

e) $5 \times 4 \times 3 = \underline{\quad} \times 5$

f) $18 \times 9 = \underline{\quad} \times 8 - 1 \times 8$

g) $22 \times 6 = (\underline{\quad} + 2) \times 6$

4. Renaming

a) Rename 15 as an addition sum of 3 numbers:

$\underline{\quad} + \underline{\quad} + \underline{\quad}$

b) Rename 14, using the minus sign.

$\underline{\quad} - \underline{\quad} - \underline{\quad} = 14$

Level 15 Card 4

1. Counting

a) 2035, 2040, 2045, ____, ____, ____, ____, 2070

b) 9999, 9996, 9993, ____, ____, ____, ____, 9978

2. Multiplication and Division are opposite. Fill in the missing signs or numbers:

a) If $6 \times 7 = 42$ then $\square \times 6 = 42$

b) If $9 \times 8 = 72$ then $72 \square 8 = 9$

c) If $6 \times 5 = \square$ then $\square \div \square = \square$

d) $9 + 9 + 9 + 9 + 9 = \square \times \square = \square$

3. Number stories

a) At the market they are selling oranges with 5 on each plate. How many oranges would I have if I bought 4 plates? Draw this and write it as a sum. (\times)

b) If I share 16 cakes between 8 children, how many cakes do they get each? Draw this and write it as a sum. (\div)

4. Addition using bundles of 10 (100 straws or sticks).

Make these. Use rubber bands to bundle the tens.

Example: $37 + 58 = \square$ (This is 8 bundles of 10 and 15 ones.)

Make the 15 into a bundle of 10 and 5 ones. Now you have 9 bundles of 10 and 9 ones.)

a) $29 + 53 =$

b) $18 + 57 =$

c) $46 + 26 =$

d) $37 + 25 =$

Level 15 Card 5

1. Times tables

- a) $4 \times 6 = \square$ $4 \times 60 = \square$ $4 \times 600 = \square$
b) $3 \times 7 = \square$ $3 \times 70 = \square$ $3 \times 700 = \square$
c) $5 \times 3 = \square$ $5 \times 30 = \square$ $5 \times 300 = \square$
d) $5 \times 4 = \square$ $5 \times 40 = \square$ $5 \times 400 = \square$
e) $6 \times 8 = \square$ $6 \times 80 = \square$ $6 \times 800 = \square$

2. Halve

- a) **252** ($\frac{1}{2}$ of 200 ____ $\frac{1}{2}$ of 50 ____ $\frac{1}{2}$ of 2 ____) = \square
b) **348** ($\frac{1}{2}$ of 300 ____ $\frac{1}{2}$ of 40 ____ $\frac{1}{2}$ of 8 ____) = \square
c) 584 ($\frac{1}{2}$ of 500 ____ $\frac{1}{2}$ of 80 ____ $\frac{1}{2}$ of 4 ____) = \square
d) 478 ($\frac{1}{2}$ of 400 ____ $\frac{1}{2}$ of 70 ____ $\frac{1}{2}$ of 8 ____) = \square

3. Addition

568	729	432	684	1197
+ 394	+623	+150	+436	+ 764
_____	_____	_____	_____	_____

4. Money

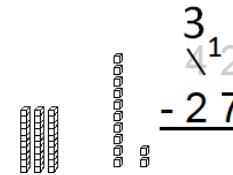
- a) If I buy 3 packets of biscuits worth \$1.50 each, how much does it cost?
b) Which 4 coins could I use to buy something worth 85 cents?
c) Which notes could I use to buy something worth \$65?

Level 15 Card 6

1. Subtraction in your head (or with number chart)

- a) $1000 - 100 = \square$ $1000 - 120 = \square$
b) $2000 - 200 = \square$ $2000 - 250 = \square$
c) $3000 - 400 = \square$ $3000 - 430 = \square$
d) $4000 - 700 = \square$ $4000 - 720 = \square$
e) $5000 - 600 = \square$ $5000 - 640 = \square$
f) $6000 - 800 = \square$ $6000 - 860 = \square$

2. Subtraction with bridging, e.g.



Set out in the same way:

- a) $85 - 39$
b) $48 - 29$
c) $56 - 27$
d) $64 - 46$

3. Money

- a) $50 \text{ cents} - 20 \text{ cents} - 5 \text{ cents} =$
b) $\$1.00 - 45 \text{ cents} =$
c) $\$2.00 - 55 \text{ cents} =$
d) $\$5 - \$2.50 =$

Level 15 Card 7

1. Counting

- a) Write all the odd numbers between 1234 and 1242.
- b) Show counting by 5s from 2425 to 2450

2. What numbers are equal to these?

- a) $500 + 9000 + 60 + 8 =$
- b) $5 + 17000 + 60 + 300 =$
- c) $70 + 21500 + 200 + 9 =$

3. = or ≠

- a) 56 tens and 3 ones 5603
- b) Four thousand and five 4050
- c) 2 thousand, plus 20 tens 2200
- d) 34 thousand six hundred and thirty-two 34632

4. Fill in the empty spaces

- a) $146 = \square$ hundred + 46 ones
- b) $146 = \square$ tens + 6 ones
- c) $2953 = \square$ hundreds + 53
- d) $2953 = 295 \square + \square$ ones

5. Measurement

- a) $\frac{1}{2}$ km + 400 m = m
- b) 28 cm + 42 cm = $\frac{1}{2}$ m + cm
- c) How much longer is $\frac{1}{2}$ a metre than 27 cm?
- d) Mum cut 42 cm off a 1 metre piece of ribbon. How long is it now?

Level 15 Card 8

1. Look at these equations then fill in the missing figures:

- a) $29 \times 8 = \underline{\quad} \times 8 - 1 \times 8$
- b) $9 - \underline{\quad} = 9$
- c) $17 = 17 \times \underline{\quad}$
- d) $10 \times 1 + 20 = 30$

2. Rewrite these equations using a x sign:

- a) $22 + 22 + 22 + 22 + 22 + 22 = 132$
- b) $48 - 8 - 8 - 8 - 8 - 8 - 8 = 0$

3. Subtraction with bridging. Do these in the same ways as the example shown:

$$\begin{array}{r} 1 \\ 3 \ 4 \ 1 \\ \cancel{4}50 \\ - 178 \\ \hline 172 \end{array}$$

- a) $625 - 317$
- b) $142 - 36$
- c) $326 - 142$
- d) $245 - 162$
- e) $246 - 53$

4. What change would I get from \$2 if I bought...

- a) A drink for 95 cents?
- b) An apple for 40 cents and a banana for 30 cents?
- c) A pencil for 55 cents?
- d) A rubber for 65 cents?

Level 15 Card 9

1. Product and factors. Fill in what's missing.

Product	Factor	Factor
24	2	
10		5
18		9
36		6
48	8	
	4	7

(Work on all tables x 2 to x 11)

2. Multiplication

$$\begin{array}{r} 53 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 64 \\ \times 2 \\ \hline \end{array} \quad \begin{array}{r} 72 \\ \times 3 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ \times 3 \\ \hline \end{array}$$

Set these out in the same way:

$$31 \times 3 \qquad 43 \times 2 \qquad 21 \times 4$$

3. Multiplication with carrying figures

$$45 \times 6 \qquad 73 \times 7 \qquad 54 \times 8$$

Level 15 Card 10

1. Division

- If 24 pencils are divided equally between 3 children, how many each?
- If there are 36 legs, how many chairs?
- $56 \div \square = 8$
- $42 \div \square - 6$

2. Write in digital time:

- $\frac{1}{4}$ to 8
- 10 to 7
- 20 past 6
- 25 past 1

3. On a clockface, how many minutes past the hour do these numbers stand for:

- $5 = \square$ minutes
- $3 = \square$ minutes
- $9 = \square$ minutes
- $11 = \square$ minutes

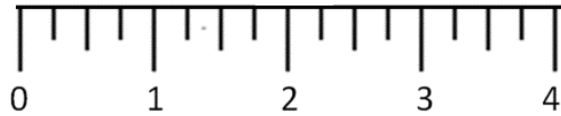
4. How many minutes altogether in these times:

- 1 hour 20 minutes = \square minutes
- 3 hours = \square minutes
- 2 hours 15 minutes = \square minutes
- $5 \frac{1}{2}$ hours = \square minutes

Level 15 Card 13

1. Fractions (Division)

- a) $\frac{1}{3}$ of 21 = \square $\frac{2}{3}$ of 21 = \square
b) $\frac{1}{6}$ of 42 = \square $\frac{5}{6}$ of 42 = \square
c) $\frac{1}{5}$ of 45 = \square $\frac{3}{5}$ of 45 = \square



2. Draw the number line above and write these numbers on it:

$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, $2\frac{1}{4}$, $2\frac{1}{2}$, $2\frac{3}{4}$, $3\frac{1}{4}$, $3\frac{1}{2}$, $3\frac{3}{4}$, 4

3. Use the number line to work out these:

- a) $2 - \frac{1}{4} =$
b) $3 - \frac{3}{4} =$
c) $1 - \frac{1}{2} =$
d) $1\frac{1}{4} + \frac{3}{4} =$
e) $2\frac{1}{4} + \frac{1}{2} =$
f) $\frac{1}{4} + 1\frac{1}{2} =$

4. Write the number for:

- a) 5 halves
b) 6 quarters
c) 8 halves

Level 15 Card 14

Test (10 points) Also test all tables to x 11)

a) Write the next number in the pattern:

129, 138, 147, 156, _____

b) Write the correct answer: If I start at 16 and count forwards by sixes, which number will I reach?

49, 51, 46, or 48

c) 10 less than 726 is _____ ?

d) 1 less than 9000 is _____ ?

e) Write the largest number you can using these digits:

8, 0, 9, 4, 6

f) Put in the correct signs: ($\frac{1}{2}$ point each)

$$28 \square 4 = 7$$

$$40 \square (12 \div 3) = 44$$

g) Put in the missing figures: ($\frac{1}{2}$ point each)

$$7 \times (6+3) = \square \times 63$$

$$12 + (3 \times \square) = 15$$

h)
$$\begin{array}{r} 657 \\ + 280 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 67 \\ \hline \end{array}$$
 ($\frac{1}{2}$ point each)

i)
$$\begin{array}{r} 46 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \overline{)463} \\ \hline \end{array}$$
 ($\frac{1}{2}$ point each)

j) Write these as decimals: $1\frac{1}{2}$ 2 and 7 tenths