Level 4

Card 1

a) 1, 2, 3, 4, ____, 6, 7, 8, ____, 10, ____, ____, 13, 14, 15

b) 10, 9, 8, ____, ____, ____, ____, ____, ____, ____, ____

c) Finish the pattern:

◆◆◆●●◆◆◆●●

Use counters for these:

d) Add two more:

3 and 2 equals ☐

7 and 2 more equals ☐

5 and 2 more equals ☐

d) One less

One less than 9 equals ☐

One less than 6 equals ☐

One less than 4 equals ☐

Level 4

Card 2

Use the number chart:

a) 2, 4, 6, ____, 10, ____, 14, 16

b) 10, 11, 12, 13, ____, ____, ____, ____, ____, ____

c) Write the numbers for:

one ☐   two ☐

three ☐   four ☐

five ☐   six ☐

Use counters:

d) One more than:

6   =   ☐

7   =   ☐

8   =   ☐

e) One less than:

5   =   ☐

9   =   ☐

3   =   ☐

Level 4

Card 3

a) 6, 7, ___, 9, ___, 11, ___, ___, ___, ___
b) 9, 8, ___, 6, ___, ___, ___, ___, ___

c) Use counters. What makes 5?

☐ + ☐ = 5   ☐ + ☐ = 5

☐ + ☐ = 5   ☐ + ☐ = 5

d) How many diamonds?

◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆

e) How many triangles?

▼▼▼▼▼▼▼▼▼▼▼▼

f) Here are two groups. One group is happy and one group is sad.

☺☺☺☺☺   ☹☹☹☹☹

How many in the happy group?
How many in the sad group?

Level 4

Card 4

Finish the patterns:
a) ↓↓↓↓△△↓↓↓↓△△
b) 33 22 11 33 22

d) Use counters
8 + 2 = ☐
6 + 3 = ☐
4 + 3 = ☐
2 + 5 = ☐

e) Use counters
9 − 5 = ☐
6 − 6 = ☐
4 − 3 = ☐
8 − 4 = ☐

f) How many circles?

●●●●●●●●●●●●●●●●●●●●●

Level 4

Card 5

a) Count backwards from 10 to 4.

10, 9, ___, ___, ___, ___, 4

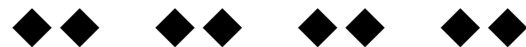b) Count backwards by twos.

12, ___, 8, ___, ___, ___, ___,

c) Here are three groups of triangles:

▼▼   ▼▼   ▼▼
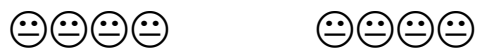
How many in each group?
How many altogether? (Count by twos.)

d) Here are four groups of diamonds:

◆◆   ◆◆   ◆◆   ◆◆

How many in each group?
How many altogether?

f) Here are 2 groups of children:

😐😐😐😐   😐😐😐😐

How many in each group?

Level 4

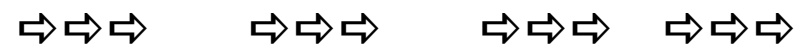**Card 6**

a) 7, ___, ___, 10, ___, 12, ___, 14, ___, 16

b) ___, 2, ___, 4, ___, 6, ___, 8, ___, 10, ___c)

How many groups of 2?

⊙⊙   ⊙⊙   ⊙⊙   ⊙⊙   ⊙⊙

How many beads altogether?

d) How many groups of 3?

⇨⇨⇨   ⇨⇨⇨   ⇨⇨⇨   ⇨⇨⇨

How many arrows altogether?

e) How many groups of 5?

▢▢▢▢▢   ▢▢▢▢▢

How many squares altogether?

g) How many groups of 4?

●●●●   ●●●●   ●●●●

How many circles altogether?

Level 4

Card 7

Finish the patterns:

a) aabcaabc

b) mssrpmss

c) Use the number line to add:

5 + 6 = ☐

7 + 3 = ☐

4 + 5 = ☐

2 + 6 = ☐

d) Use the number line to take away:

10 − 4 = ☐

8 − 8 = ☐

7 − 4 = ☐

9 − 7 = ☐

e) Write the numbers for:

seven ☐   eight ☐

nine ☐   ten ☐

Level 4

Card 8

a) What is the number after?

☐ comes after 8

☐ comes after 3

☐ comes after 5

b) What is the number before?

☐ comes before 7

☐ comes before 9

☐ comes before 4

c) Make with counters and write these another way.

4 + 1 = 5   1 + 4 = 5

7 + 2 = ☐   2 + ☐ = ☐

6 + 3 = ☐   3 + ☐ = ☐

4 + 3 = ☐   3 + ☐ = ☐
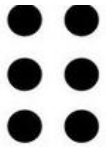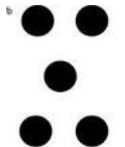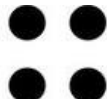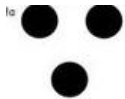
d) Find two things that are of equal length.

Level 4

Card 9

a) Say this rhyme
One, two, three, four, five,
Once I caught a fish alive.
Six, seven, eight, nine, ten
Then I let it go again.

b) Take six counters. Arrange them in different ways.

c) How many dots in each group?

d) 3 + 4 = ☐   5 + 3 = ☐

Level 4

Card 10

a) 4, ____, ____, ____, 8
b) 2, ____, 6, ____, 10

c) Here is a set of pencils. How many in the set?

d) Draw a set of 5 pencils in a pencil case.

e) Draw 4 apples in a bag. Now draw another 4 apples in another bag. You have 2 sets of 4 apples.

f) Draw 3 balls in a bucket. Now draw another 3 balls in another bucket. You have 2 sets of 3 balls.

g) Draw four sets like this one: ●●●

Level 4

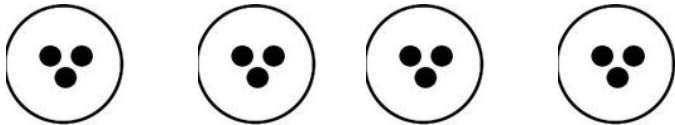**Card 11**

a) Which shape is 2nd in the line?

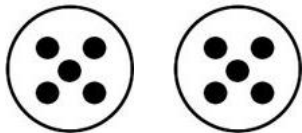◆ ■ ▼ ●

 b) Which shape is 4th in the line?

◆ ■ ▼ ●

c) How many sets?

How many dots in each set?
You have ☐ sets of ☐.

d) How many sets?☐

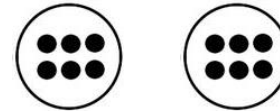How many dots in each set?☐
You have ☐ sets of ☐.

Level 4

Card 12

a) Which shape is 3rd in the line?

◆ ■ ▼ ●
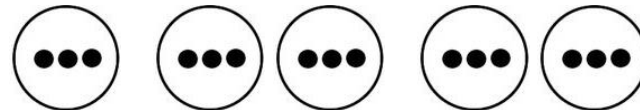
 b) Which shape is 1st in the line?

◆ ■ ▼ ●

c) How many sets?

How many dots in each set?
You have ☐ sets of ☐.

d) How many sets?☐

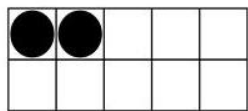How many dots in each set?☐
You have ☐ sets of ☐.
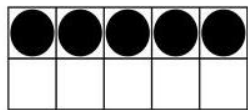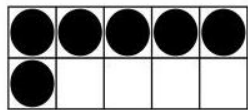
Level 4

Card 13

a) Which shape is 5th in the line?

◆ ■ ▼ ● ◆ ■ ▼ ●

b) Which shape is 7th in the line?
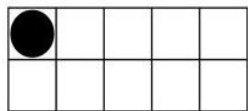
◆ ■ ▼ ● ◆ ■ ▼ ●

c) **The ten frame.** Count the blank squares to find the answer.

 $2 + \square = 10$

 $5 + \square = 10$

 $6 + \square = 10$

 $1 + \square = 10$

Level 4

Card 14 Test

a) Finish the pattern:

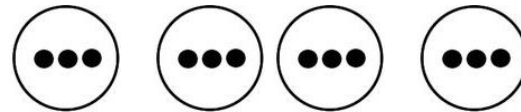●● ⊙⊙⊘⊘

b) 4 and 3 more = $\square$

c) One more than 8 = $\square$

d) One less than 6 = $\square$

e) 7 + 3 = $\square$

f) 8 − 4 = $\square$

g) How many sets of 3? $\square$
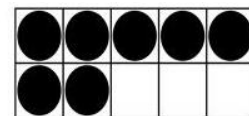

h) Which shape is 8th in the line?

◆ ■ ▼ ● ◆ ■ ▼ ●

i) Draw 3 sets like this one:

j) $7 + \square = 10$

Level 5
Card 1

a) Count from 1 to 20 using the number chart.
b) Set out 15 counters.

c) Write these numbers from smallest to largest: 6, 9, 10, 8, 7

d) Show these with sticks:
12 = 1 group of 10 and 2 more
15 = 1 groups of 10 and 5 more
17 = 1 group of 10 and 7 more
16 = 1 group of 10 and 6 more

e) Use the number line to take away:
2 less than 13 = □
2 less than 18 = □
2 less than 14 = □
2 less than 15 = □

Level 5
Card 2

a) Count from 9 to 20.
b) Set out 18 counters.

c) Make sets:
Make a set of 3 counters. Now make another set of 3.
How many sets do you have?
How many counters do you have?
You have □ sets of □

d) More sets:
●● + ●● + ●● = □ sets of 2

◆◆◆ + ◆◆◆ +◆◆◆ = □ sets of 3

▼▼▼▼ + ▼▼▼▼ = □ sets of 4

▽▽▽+ ▽▽▽+ ▽▽▽+ ▽▽▽= □ sets of 3

Level 5

Card 3

a) 10, 11, 12, ____, ____, 15, ____, 17, ____, ____

b) 2, 4, 6, ____, ____, ____, ____, ____, ____, ____

c) Write the numbers for:

eleven ☐   twelve ☐

thirteen ☐   fourteen ☐

fifteen ☐   sixteen ☐

d) Use the number chart:

1 more than 19 = ☐

1 more than 16 = ☐

1 more than 14 = ☐

1 more than 13 = ☐

1 more than 17 = ☐

e) How many?

✦ ✦ ✦ ✦ ✦ ✦ ✦ ✦ ✦ ✦
✦ ✦ ✦

Level 5

Card 4

Use the number chart:

a) Count by 5s to 20

b) Count by 2s to 20

c) Count these by 5s:

�ન� ▶▶▶▶▶   ▶▶▶▶▶ ▶▶▶▶▶

d) Count these by 2s

▶▶   ▶▶   ▶▶   ▶▶   ▶▶   ▶▶

e) 10 + 1 = ☐

10 + 2 = ☐

10 + 3 = ☐
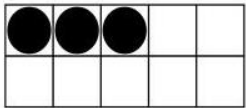
10 + 4 = ☐

10 + 5 = ☐

10 + 6 = ☐

10 + 7 = ☐
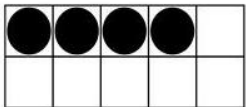
10 + 8 = ☐

10 + 9 = ☐

10 + 10 = ☐

Level 5
Card 5

a) Set out 20 counters in 2s.
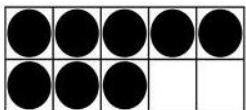b) How many sets of 2 do you have?

c) **The ten frame**
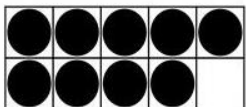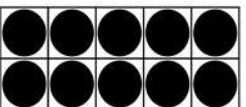
 $\square$ + $\square$ = 10

 $\square$ + $\square$ = 10

 $\square$ + $\square$ = 10

 $\square$ + $\square$ = 10

 $\square$ + $\square$ = 10

Level 5
Card 6

a) Set out 20 counters in 5s.
b) How many sets of 5 do you have?

c) Set out 5 counters. What makes 5?

$\square$ + $\square$ = 5 $\square$ + $\square$ = 5
$\square$ + $\square$ = 5 $\square$ + $\square$ = 5
$\square$ + $\square$ = 5

d) Use the number line to take away:
16 − 2 = $\square$ 19 − 6 = $\square$
14 − 3 = $\square$ 15 − 5 = $\square$
11 − 4 = $\square$ 17 − 7 = $\square$
15 − 3 = $\square$ 20 − 4 = $\square$

e) On the number line, how many steps between:
3 and 7?   6 and 12?
5 and 11?   8 and 13?

Level 5
Card 7

a) Count by 5s along the number line to 20.
b) Count by ones to 20 and whisper every second number.

c) Add
17 + 2 = ☐
8 + 7 + 3 = ☐
6 + 4 + 5 = ☐
3 + 9 + 0 = ☐
4 + 8 + 3 = ☐
10 + 2 + 4 = ☐

d) Take away
19 − 5 = ☐
18 − 4 − 4 = ☐
16 − 3 − 5 = ☐
15 − 9 − 2 = ☐
19 − 11 − 2 = ☐
20 − 4 − 8 = ☐

Level 5
Card 8

a) Write the numbers 1 to 20.
b) Put a line under every second number starting from number 1. These are the odd numbers.

c) Count on using the number line.
16 + ☐ = 19
7 + ☐ = 11
12 + ☐ = 15
9 + ☐ = 16
14 + ☐ = 20

d) Take 12 counters. Make equations equal to 12.
20 - ☐ = 12   19 - ☐ = 12
☐ - ☐ = 12   ☐ - ☐ = 12
☐ - ☐ = 12   ☐ - ☐ = 12

Level 5
Card 9

a) Count backwards from 20.
b) Count by 2s to 20.

c) Show the odd numbers in counters.

●   ●●●   ●●●●●

1 + 2   3 + 2   5 + 2

Keep going up to 11.

d) Show it a quicker way:
2 + 2 + 2 + 2 + 2 = 5 sets of 2
5 + 5 + 5 = ☐ sets of ☐
4 + 4 + 4 + 4 = ☐ sets of ☐
3 + 3 + 3 + 3 + 3 = ☐ sets of ☐

e) Show it a quicker way:
2 sets of 5 is the same as 2 **X** 5
Write these a quicker way:
3 sets of 4
5 sets of 3

Level 5
Card 10

a) Count by 3s:

●●●   ●●●   ●●●   ●●●

How many altogether?

b) Count by 4s:

●●●●   ●●●●   ●●●●   ●●●●

How many altogether?

c) Make sets with counters to work out these:

3 X 4 = ☐   4 X 4 = ☐
2 X 6 = ☐   5 X 2 = ☐
7 X 1 = ☐   6 X 4 = ☐

d) Draw 2 dogs. How many eyes?
e) Draw 4 pairs of socks. How many socks?
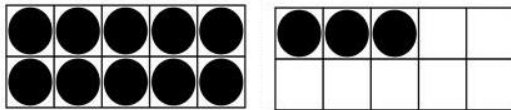f) Draw 3 cats. How many legs?
g) Draw 2 ants. How many legs?

Level 5

Card 11

a) Write these numbers from lowest to highest: 9, 16, 12, 4

b) Write these numbers from highest to lowest: 8, 13, 5, 2

c) Ten frames

 10 + 3 = 13

Now make these with counters or ten frames:

10 + 1 = ☐

10 + 2 = ☐

10 + 4 = ☐

10 + 5 = ☐

10 + 6 = ☐

10 + 7 = ☐

10 + 8 = ☐

10 + 9 = ☐

Level 5

Card 12

a) How many children like apples best?
   How many children like bananas best?

apples	✓✓✓✓✓✓✓✓✓
bananas	✓✓✓✓✓✓✓

b) How many more children like apples best?

c) How many children are there altogether?

d) What makes 8?

☐ X ☐ = 8   ☐ X ☐ = 8

e) What makes12?

☐ X ☐ = 12   ☐ X ☐ = 12

☐ X ☐ = 12   ☐ X ☐ = 12

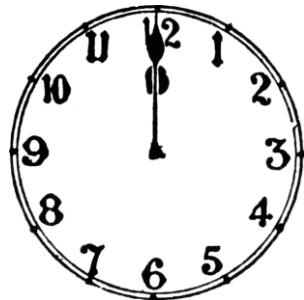d) What makes 7?

☐ X ☐ = 7   ☐ X ☐ = 7

Level 5
Card 13

a) Write the numbers for:
sixteen, seventeen, eighteen, nineteen, twenty

b) Tell someone what you might be doing at:

c) What time do you start school? Draw it on a clock face.

d) What time is it one hour before 3 o'clock?
e) What is it two hours after 8 o'clock?
f) What time is it three hours after 4 o'clock?

Level 5
Card 14 Test

a) 2, ____, 6, ____, ____, 12, ____, 16, ____, ____

b) Write these numbers from smallest to largest: 5, 19, 11, 8, 6

c) 1 more than 19 = ☐
d) 1 less than 14 = ☐
e) Set out 6 counters. What makes 6?

☐ + ☐ = 6　　☐ + ☐ = 6
☐ + ☐ = 6　　☐ + ☐ = 6
☐ + ☐ = 6　　☐ + ☐ = 6

f) 6 + 4 + 5 = ☐
g) 20 − 4 = ☐
h) 19 − 11 − 2 = ☐
i) Make sets with counters: 6 X 3 = ☐
j) What makes 10?

☐ X ☐ = 10　　☐ X ☐ = 10
☐ X ☐ = 10　　☐ X ☐ = 10

Level 6

Card 1

a) Write the missing words:

six, _____, eight, nine

two, _____, six, eight

b) Count backwards from 17 to 11.

c) Draw sets for these:

2 X 4 = 8

3 X 6 = 18

7 X 2 = 14

d) 2 + 2 + 2 = ☐ X 2

3 + 3 + 3 + 3 = ☐ X 3

4 + 4 = ☐ X 4

e) Write these another way:

5 − 4 = 1   1 = ☐ - ☐

7 − 4 = ☐   ☐ = ☐ - ☐

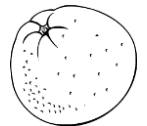12 − 6 = ☐   ☐ = ☐ - ☐

Level 6

Card 2

a) Put 15 counters in a line. What comes between the 11th and the 13th counter?

b) Now add 4 more counters to the line. How many counters?

c) What comes between the 15th and the 17th counter?

d) Sharing

Draw 3 men. Cut out 6 oranges.

Share 6 oranges between 3 men.

6 oranges shared between 3 men = ☐ each.

e) 8 buns shared between 4 children. How many each? (Use counters for buns.)

Level 6

Card 3

a) Count by ones to 50. Use the number chart.

b) Count by 2s to 40.

c) Sharing

8 shared between 4 men = ☐ each

☐ shared between ☐ men = ☐ each

☐ shared between ☐ men = ☐ each

Level 6

Card 4

a) Count to 50 by 10s. Use the number chart.

b) Count to 50 by 5s.

c) Write the equations:

△△   △△   △△   △△

☐ X ☐ = ☐

△△△   △△△   △△△

☐ X ☐ = ☐

△△△△△   △△△△△

☐ X ☐ = ☐

d) Add and take away

$3 + 5 - 2 = $ ☐

$9 + 3 - 4 = $ ☐

$7 + 8 - 6 = $ ☐

$11 + 3 - 5 = $ ☐
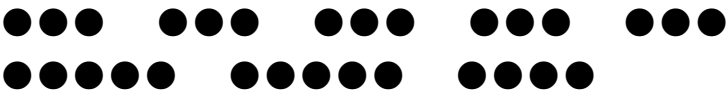
$13 + 4 - 7 = $ ☐
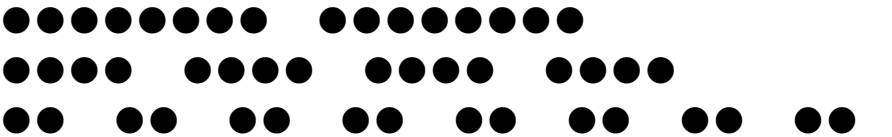
Level 6

Card 5

a) 10, ___, 30, ____, 50

b) 18, 20, 22, ___, ___, ___, 30

c) 15 how many 5s?

   20 how many 5s?

   12 how many 4s?

   18 how many 2s?

d) 3 X 4 = ☐   2 X 9 = ☐

   5 X 3 = ☐   3 X 6 = ☐

e) ☐ X ☐ = 15   ☐ X ☐ = 15

●●● ●●● ●●● ●●● ●●●
●●●●● ●●●●● ●●●●

f) ☐ X ☐ = 16   ☐ X ☐ = 16   ☐ X ☐ = 16

●●●●●●●● ●●●●●●●●
●●●● ●●●● ●●●● ●●●●
●● ●● ●● ●● ●● ●● ●● ●●

Level 6

Card 6

a) Which is the biggest number? 21 or 12

b) Which is the smallest number? 15 or 25?

c) What makes 9?

☐ + ☐ + ☐ = 9

☐ + ☐ + ☐ = 9

☐ + ☐ + ☐ = 9

☐ + ☐ + ☐ = 9

☐ + ☐ + ☐ = 9

d) Find the missing number using counters.

7 + ☐ = 11   8 + ☐ = 11

6 + ☐ = 12   7 + ☐ = 12

☐ + 4 = 10   ☐ + 5 = 10

☐ + 2 = 6   ☐ + 3 = 6

e) Make as many equations to equal 4. Use +, - and X.

Level 6
Card 7

a) Count by odd numbers from 1 to 21.
b) Count backwards from 20 to 0.

c) Shopping
A coconut costs 20 cents.
A banana costs 10 cents.
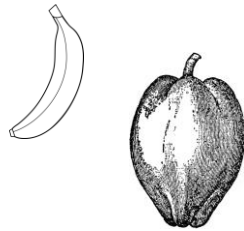
You have 8 ten cent coins.
Pretend that counters are coins.
Count how much money you have.
How many coconuts can you buy?
How many bananas can you buy?

d) Count by 10s
10 + 10 + 10 = ☐
10 + 10 + 10 + 10 + 10 = ☐
10 + 10 + 10 + 10 + 10 + 10 + 10 = ☐
10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = ☐

Level 6
Card 8

a) Count by 5s to 50.
a) Write the numbers for:
nineteen☐   seventeen☐
fourteen☐   thirteen☐

c) Shopping
You will need a 20 cent coin, a 50 cent coin, five 10 cent coins and ten 5 cent coins.
- Show how many 10 cent coins are the same as a 20 cent coin.
- Show how many 10 cent coins are the same as a 50 cent coin.
- Show how many 5 cent coins are the same as a 20 cent coin.
- Show how many 5 cent coins are the same as a 50 cent coin.
- Show how many 5 cent coins are the same as a 10 cent coin.

Level 6

Card 9

a) 16, 15, 14, ____, ____, ____, ____, ____, ____

b) 40, 50, 60, ____, ____, ____, ____

c) Make 2 sets of 5 and add 6 more

△△△△△   △△△△△   △△△△△△

d) Now do the same for these:

$3 \times 5 + 4 = \square$

$6 \times 2 + 5 = \square$

$4 \times 3 + 7 = \square$

$3 \times 5 + 4 = \square$

e) Use the number line to 20 for these:

$15 + \square = 19$

$12 + \square = 15$

$\square + 11 = 13$

$\square + 9 = 14$

$17 + 3 = \square$

$15 + 4 = \square$

Level 6

Card 10

a) Finish writing the words for:

13 thir_____

14 four_____

15 fif_____

16 six_____

17 seven_____

18 eigh_____

19 nine_____

b) The sign ÷ for sharing

$6 \div 2 = 3$

●●   ●●   ●●

Now use counters to work out these:

$6 \div 3 = \square$ $9 \div 3 = \square$

$10 \div 2 = \square$ $12 \div 6 = \square$

$8 \div 4 = \square$ $15 \div 5 = \square$

Level 6

Card 11

a) What makes 10?

$0 + \square = 10$

$1 + \square = 10$

$2 + \square = 10$

Keep the pattern going up to

$10 + \square = 10$

b) What makes 20?

$0 + \square = 20$

$1 + \square = 20$

$1 + \square = 20$

Keep the pattern going up to

$20 + \square = 20$

c) Say it another way:

$3 + 2 = 1 + \square$

$4 + 1 = 2 + \square$

$3 + 5 = 4 + \square$

Level 6

Card 12

Work with counters.

a) Equations in pairs: plus, minus

$7 + 2 = 9 \qquad 9 - 2 = 7$

$5 + 7 = \square \qquad 12 - 7 = \square$

Make up some more equation pairs like this.

b) Equations in pairs: X, ÷

$3 \times 2 = 6 \qquad 6 \div 2 = 3$

$4 \times 3 = \square \qquad 12 \div 3 = \square$

Make up some more equation pairs like this.

c) Make up as many equations to equal 12.
Use +, -, X and ÷

d) Say it another way:

$7 + 1 = 3 + \square$

$6 + 2 = \square + 5$

$4 + 3 = \square + 2$

Level 6

Card 13

a) How many shoes on seven girls?

b) There are four vases and each vase has three flowers in it. How many flowers altogether?

c) Two pencil cases each have 5 pencils in them. There is a third pencil case that has 6 pencils. How many pencils altogether?

d) $3 \times 3 + 1 = \square$ $4 \times 2 + 1 = \square$

   $6 \times 2 + 2 = \square$ $2 \times 5 + 2 = \square$

   $3 \times 2 - 1 = \square$ $2 \times 7 - 1 = \square$

   $4 \times 2 - 2 = \square$ $1 \times 5 - 2 = \square$

e) $3 \times \square = 6$ $5 \times \square = 5$

   $4 \times \square = 12$ $3 \times \square = 9$

f) $6 \div \square = 3$ $10 \div \square = 2$

    $5 \div \square = 5$ $9 \div \square = 3$

Level 6

Card 14   Test

a) Write this another way: $7 - 4 = \square$

b) Draw this in sets:

$3 \times 4 = 12$

c) Write the equation:

△△   △△   △△   △△

$\square \times \square = \square$

d) Share 8 buns between 4 men. How many each?

e) $15 \div 5 = \square$

f) $13 + 4 - 7 = \square$

g) $7 + \square = 12$

h) $4 \times 3 + 7 = \square$

i) $7 + 2 = \square + 5$

j) Make up 6 equations to equal 4.