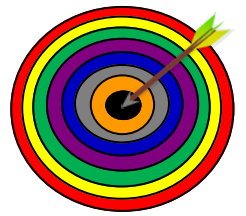


EXAMPLE QUESTIONS FOR RED ZONE



I know pairs of numbers that total 100

$$100 = 72 + \underline{\quad} \quad 32 + \underline{\quad} = 100?$$

$$\underline{\quad} + 48 = 100$$

I can find 1000 more or less than a given number

$$252 + 1000 =$$

A thousand less, then two thousand, two hundred and one

I can add or subtract 10 or 100 to or from a number.

$$352 - 10 = \quad \text{Add one hundred to } 546 =$$

I can add or subtract mentally a pair of 2 digit numbers (not crossing tens).

$$32 + 23 =$$

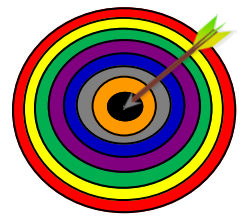
What is the total of 63 and 52 =

I can find doubles of any two digit numbers.

If two classes had 32 children each, how many do they have altogether?

I can find doubles of multiples of 10 to 500 and 100 to 5000 and their halves.

Double 320 Double 3,400 Half of 160 Double 2,600.



EXAMPLE QUESTIONS FOR YELLOW ZONE

I know multiplication facts for 6

I know division facts for 6

I know multiplication facts for 9

I know division facts for 9

I know multiplication facts for 7

I know division facts for 7

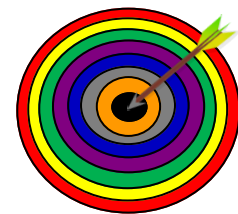
I know multiplication facts for 11

I know division facts for 11

I know multiplication facts for 12

I know division facts for 12

Six questions for each- **ALL** must be correct in order to sign off the target



EXAMPLE QUESTIONS FOR GREEN ZONE

I can count forwards or backwards in steps of any powers of 10 for any given number up to 1000000

$$43+100 =$$

$$178+1000 =$$

$$1000+64 =$$

$$10,000+232 =$$

$$10,000+8 =$$

I can count forwards and backwards with positive and negative whole numbers through zero

Just starting from a given number and count forwards and backwards from a given number.

I can add or subtract mentally 2 digit numbers crossing the tens boundary

$$38+62 = \quad 67+49 =$$

I can quickly find pairs of numbers that total 1000

(no jottings and emphasis on speed) – 10 seconds.

I can quickly find halves and doubles of any 2 digit number

(no jottings and emphasis on speed) – 10 seconds.

I can find doubles and halves of decimals to one decimal place

Double 0.8 Double 1.3 Half 9.4 Half 2.6

I can express 25%, 50% and 75% as a fraction or a decimal.

What is 25% as a fraction and as a decimal?

I can recall prime numbers to 19.

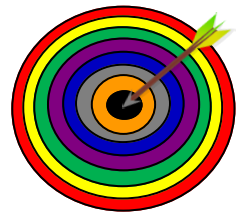
Write all prime numbers to 19.

I can multiply and divide whole numbers up to 1000 by 10 or 100

$$25 \times 100 = \quad 252 \div 10 =$$

$$982 \times 10 = \quad 673 \div 100 =$$

EXAMPLE QUESTIONS FOR PURPLE ZONE



I can round any number up to 100,000 to the nearest 10,100, 1000, 10,000 and 100,000

Give the children a number and ask them to round it to the nearest 10, 100, 1000, 10,000 and 100,000.

I can round decimals with 2 decimal places to the nearest whole number and one decimal place.

9.85/1.32 - round to the nearest one decimal place and whole number

I can identify square numbers eg, $16=4^2$.

What is square of 25? (Go up to 12×12)

I know what acute, obtuse and reflex angles are.

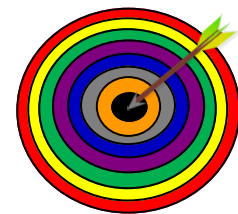
Children could draw and label each different angles.

I know measures and their equivalents eg how many cm in a m.

How many minutes in an hour? Standard conversion time/litres/metres/capacity.

How many cm in $\frac{1}{2}$ m, g in $\frac{1}{2}$ a kg? (see above)

How many cm in $\frac{3}{4}$ m, m in $\frac{3}{4}$ of km (see above)



EXAMPLE QUESTIONS FOR BLUE ZONE

I instantly know multiplication facts for 6

I instantly know division facts for 6

I instantly know multiplication facts for 8

I instantly know division facts for 8

I instantly know multiplication facts for 9

I instantly know division facts for 9

I instantly know multiplication facts for 7

I instantly know division facts for 7

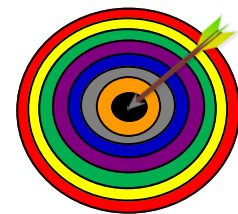
I instantly know multiplication facts for 12

I instantly know division facts for 12

I instantly know multiplication facts for 12

I instantly know division facts for 12

Six questions for each- **ALL** must be correct and instant in order to sign off the target



EXAMPLE QUESTIONS FOR SILVER ZONE

I can quickly find multiples of 50 that total 1000

What would you add to 350 to total 1000?

How many 50's are in 1000?

I can find doubles of decimals up to 2 decimals

Double 6.13, 7.59, etc

I can find pairs of fractions that total 1

What would you add to $\frac{5}{7}$ to make ? etc

I can change fractions with denominators of 10 or 100 into decimals.

What is $2\frac{7}{10}$ as a decimal?

What is $1\frac{35}{100}$ as a decimal?

I can express simple fractions and fractions with tenths and hundredths as percentages and decimals.

What is $\frac{5}{10}$ as a % and a decimal?

I can find fractions of numbers or quantities using quarters, thirds, eights and tenths.

What is $\frac{1}{3}$ of 36?

What is $\frac{2}{4}$ of 75?

I can find 50%, 25%, 75% and 100% of whole numbers or quantities.

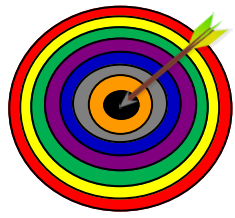
What is 50% of £5.00?

What is 75% of £3.00?

I can find square numbers of up to 12×12

I can quickly find pairs of factors for 2 digit whole numbers.

What are the factor pairs for 38, 49?



EXAMPLE QUESTIONS FOR SILVER ZONE

I know common multiples, eg 36 is a common multiple for 6 and 9.

Find a common multiple for 5 and 4

I can recall prime numbers to 30

I can multiply or divide any whole number by 10, 100 or 1000.

(Children can write down 4 digit numbers)

Any whole number up to 4 digits.

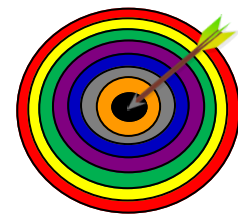
I can find equivalent fractions.

Write an equivalent fraction for $\frac{2}{3}$, $\frac{80}{100}$.

I know measures and their equivalents eg, how many cm, g, ml, cl in 2.75

How many cm are in 1.25m?

How many kg in 2500g?



EXAMPLE QUESTIONS FOR BULLSEYE

I can rapidly recall pairs of fractions that total 1

What would you add to $\frac{5}{7}$ to make 1 etc.

I can quickly find all the prime numbers to 30

I can quickly find square of numbers 0.1 to 0.9 (calculator)

What is square number of 0.2 etc?

I can quickly find squares of multiples of 10 to 100

What is 20^2 ?

What is 40^2 etc?

I can quickly find square roots of numbers

$\sqrt{\quad}$ of numbers to 12×12 .

I can quickly find the cubes of number 1 to 5.

I can quickly find the cubes of numbers 1 to 10 and the corresponding roots.