KIRF Progress Check
Year 5
Autumn Term 1

I can round numbers to 1 million to the nearest 10, 100 and 1,000

Check 1	
Check 2	
Check 3	

30
Assess it!

Round each number to the nearest 10, 100 and 1,000.

Number	Nearest 10	Nearest 100	Nearest 1,000
2,348			
123,492			
5,587			
12,656			
909,329			
1,509			
48,589			
34,298			
9,892			
118,909			

KIRF Progress Check
Year 5
Autumn Term 2

I can identify multiples and factors up to 12x12

Check 1	
Check 2	
Check 3	

Assess it!

40

Read each question *carefully* and *answer in the box.*

What is the fifth multiple of 6?	
List the factors of 64	
List the first 5 multiples of 12	
What is the 11th multiple of 8?	
List the factors of 32	
Find the eighth multiple of 9 then list the product's factors	
List the factors of 15	
List the first three multiples of 4	

KIRF Progress Check Year 5 Spring Term 1	Identify prime numbers up to 50	Check 1		15
		Check 2		
		Check 3		Assess it!

Circle all prime numbers below. Use your times table knowledge to eliminate composite (non-prime) numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

$\overline{15}$

Recall the square numbers and square roots below.

2^2 =	$\sqrt{49}$ =
$\sqrt{64}$ =	3^2 =
9^2 =	$\sqrt{1}$ =
$\sqrt{16}$ =	5^2 =
6^2 =	12^2 =
$\sqrt{100}$ =	11^2 =

Which of these are square numbers? Circle them.

4   10   18   25

Explain this mistake – 16 is a square number because 8 x 8 = 16

KIRF Progress Check
Year 5
Summer Term 1

I know the first 5 cube numbers

Check 1	
Check 2	
Check 3	

Assess it!

15

What cube number is shown below?

The cube number shown is ☐

Answer the questions below, identifying the cube numbers.

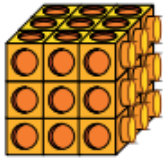|	
$1^3 =$	$2 \times 2 \times 2 =$
$2^3 =$	$5 \times 5 \times 5 =$
$3^3 =$	$1 \times 1 \times 1 =$
$4^3 =$	$4 \times 4 \times 4 =$
$5^3 =$	$3 \times 3 \times 3 =$

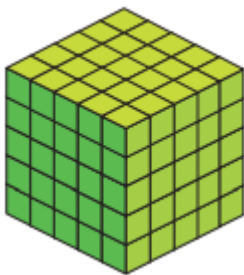## Can you use your knowledge of cube numbers to calculate 10^3?

$10^3 = $ ☐

Use the images to complete the calculations.

$3^3 = $ ☐

☐$^3 = $ ☐

KIRF Progress Check Year 5 Summer Term 2	I can convert between improper fractions and mixed fractions	Check 1	
		Check 2	
		Check 3	

$\dfrac{}{20}$ Assess it!

Convert the improper fractions to mixed numbers. *Simplify if possible.*	Convert the mixed numbers to improper fractions. *Simplify if possible.*
10/3 =	1 2/5 =
18/4 =	2 ¾ =
46/8 =	6 1/6 =
25/6 =	3 5/11 =
14/2 =	10 2/9 =
36/7 =	4 8/10 =
42/9 =	14 1/5 =
31/3 =	2 2/20 =
61/5 =	8 3/7 =
121/10 =	30 ¾ =