

Date:

**Year 5 - Autumn 1 - KIRF Progress Check**

Times tables up to 12 x 12

$11 \times 6 =$	$11 \times 10 =$	$6 \times 8 =$
$8 \times = 40$	$3 \times = 9$	$3 \times = 3$
$96 \div 8 =$	$0 \div 8 =$	$9 \div 9 =$
$\times 1 = 10$	$\times 9 = 54$	$\times 2 = 8$
$8 \div 1 =$	$27 \div 3 =$	$81 \div 9 =$
$2 \times 4 =$	$3 \times 4 =$	$10 \times 4 =$
$6 \div 2 =$	$1 \div 1 =$	$48 \div 6 =$
$5 \times = 30$	$8 \times = 64$	$2 \times = 10$
$9 \times 7 =$	$1 \times 12 =$	$11 \times 10 =$
$50 \div 5 =$	$4 \div 2 =$	$1 \div 1 =$
$\times 5 = 45$	$\times 9 = 90$	$\times 8 = 72$
$5 \div = 5$	$24 \div = 3$	$40 \div = 4$
$0 \div 12 =$	$96 \div 12 =$	$12 \div 1 =$
$7 \times 10 =$	$2 \times 12 =$	$6 \times 10 =$
$\div 7 = 12$	$\div 8 = 12$	$\div 9 = 2$
$4 \times 3 =$	$3 \times 6 =$	$4 \times 6 =$
$5 \times 7 =$	$6 \times 4 =$	$1 \times 1 =$
$56 \div 8 =$	$2 \div 1 =$	$30 \div 3 =$
$\div 11 = 2$	$\div 7 = 3$	$\div 4 = 6$
$70 \div = 7$	$28 \div = 7$	$6 \div = 2$

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$5 \times 7 =$	$6 \times 4 =$	$1 \times 1 =$
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$70 \div = 7$	$28 \div = 7$	$6 \div = 2$



Score: /60



Score: /60

<u>Date:</u>	
<b><u>Year 5 – Autumn 2 - KIRF Progress Check</u></b> Factors <i>Find all factors of each number.</i>	
24	36
63	4
49	81
64	84
35	13
12	42
48	21
32	96
28	30
16	44



Score: /20

<u>Date:</u>	
<b><u>Year 5 – Autumn 2 - KIRF Progress Check</u></b> Factors <i>Find all factors of each number</i>	
24	36
63	4
49	81
64	84
35	13
12	42
48	21
32	96
28	30
16	44



Score: /20

Date:

**Year 5 - Spring 1 - KIRF Progress Check**

Prime Numbers

***Circle all of the prime numbers below.***

***Hint: use your times table knowledge to eliminate the composite numbers (non-primes).***

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



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**Year 5 - Spring 1 - KIRF Progress Check**

Prime Numbers

***Circle all of the prime numbers below.***

***Hint: use your times table knowledge to eliminate the composite numbers (non-primes).***

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



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Year 5 – Spring 2 - KIRF Progress Check

Square numbers to  $12^2$

	Square Number
1 x 1	
10 x 10	
6 x 6	
3 x 3	
9 x 9	
7 x 7	
4 x 4	
5 x 5	
8 x 8	
11 x 11	
12 x 12	
2 x 2	

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Year 5 – Spring 2 - KIRF Progress Check

Square roots

Square number	Square root
144	
1	
9	
81	
64	
25	
36	
49	
4	
121	
100	
16	

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Year 5 – Spring 2 - KIRF Progress Check

First 5 cube numbers

	Cube number
1 x 1 x 1	
2 x 2 x 2	
3 x 3 x 3	
4 x 4 x 4	
5 x 5 x 5	
$2^3$	
$4^3$	
$1^3$	
$5^3$	
$3^3$	



Score: /12



Score: /12



Score: /10

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**Year 5 - Summer 1 - KIRF Progress Check**

1 and 2-place decimal number bonds for numbers between 1 and 10

0.9	+	0.1	=	
0.9	+		=	1
0.8	+	0.2	=	
	+	1.0	=	1
0.3	+		=	1
0.1	+		=	1
0.7	+	0.3	=	
0.8	+	0.2	=	
0.0		1.0	=	1
	+	0.3	=	1

	-	0.9	=	0.1
1		1.0	=	0.0
1	-		=	0.2
1	-	0.1	=	
1	-		=	0.6
	-	1.0	=	0.0
1	-		=	0.8
1	-		=	0.5
1	-		=	0.1
	-	0.6	=	0.4

5.6	+	4.4	=	
7.2	+		=	10
1.8	+	8.2	=	
	+	7.2	=	10
3.1	+		=	10
5.5	+		=	10
2.1	+	7.9	=	
1.6	+	8.4	=	
0.0		10.0	=	10
	+	7.2	=	10

	-	0.8	=	9.2
10		0.4	=	9.6
10	-		=	9.6
10	-	0.7	=	
10	-		=	10.0
	-	0.5	=	9.5
10	-		=	9.2
10	-		=	9.5
10	-		=	9.4
	-	0.5	=	9.5

0.79	+	0.21	=	
0.97	+		=	1
0.55	+	0.45	=	
	+	0.54	=	1
0.91	+		=	1
0.45	+		=	1
0.36	+	0.64	=	
0.70	+	0.30	=	
0.76		0.24	=	1
	+	0.57	=	1

	-	0.91	=	0.09
1		0.83	=	0.17
1	-		=	0.63
1	-	0.12	=	
1	-		=	0.42
	-	0.71	=	0.29
1	-		=	0.04
1	-		=	0.56
1	-		=	0.83
	-	0.09	=	0.91

1.91	+	8.09	=	
9.70	+		=	10
0.82	+	9.18	=	
	+	0.32	=	10
0.85	+		=	10
2.02	+		=	10
7.32	+	2.68	=	
8.45	+	1.55	=	
7.67		2.33	=	10
	+	3.54	=	10

	-	0.47	=	9.53
10		0.39	=	9.61
10	-		=	9.26
10	-	0.00	=	
10	-		=	9.43
	-	0.55	=	9.45
10	-		=	9.75
10	-		=	9.50
10	-		=	9.53
	-	0.48	=	9.52



Score: /80

**Date:**

**Year 5 - Summer 2 - KIRF Progress Check**

Know the decimal and percentage equivalents of the fractions  $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}$ , tenths and fifths.

Fraction	Decimal	Percentage
$\frac{1}{2}$		
$\frac{1}{4}$		
$\frac{3}{4}$		
$\frac{1}{10}$		
$\frac{1}{5}$		
$\frac{2}{5}$		
$\frac{3}{5}$		
$\frac{4}{5}$		
$\frac{9}{10}$		



Score: /9

**Date:**

**Year 5 - Summer 2 - KIRF Progress Check**

Know the decimal and percentage equivalents of the fractions  $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}$ , tenths and fifths.

Fraction	Decimal	Percentage
$\frac{1}{4}$		
$\frac{1}{2}$		
$\frac{1}{10}$		
$\frac{3}{4}$		
$\frac{3}{5}$		
$\frac{2}{5}$		
$\frac{1}{5}$		
$\frac{4}{5}$		
$\frac{8}{10}$		



Score: /9

**Date:**

**Year 5 - Summer 2 - KIRF Progress Check**

Know the decimal and percentage equivalents of the fractions  $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}$ , tenths and fifths.

Fraction	Decimal	Percentage
$\frac{1}{2}$		
$\frac{4}{5}$		
$\frac{3}{4}$		
$\frac{1}{10}$		
$\frac{1}{5}$		
$\frac{6}{10}$		
$\frac{3}{5}$		
$\frac{1}{4}$		
$\frac{7}{10}$		



Score: /9

