

Year 5 - Autumn 1

Can I recall multiplication scaling facts by 10 and 100?

For this KIRF, children should be able to mentally scale known times-table facts by 10 and 100.

Examples

$2 \times 50 = 400$

$60 \times 7 = 420$

$80 \times 11 = 880$

$2 \times 500 = 4,000$

$600 \times 7 = 4,200$

$800 \times 11 = 8,800$

$30 \times 8 = 240$

$9 \times 40 = 360$

$40 \times 12 = 480$

$300 \times 8 = 2,400$

$9 \times 400 = 3,600$

$400 \times 12 = 4,800$

How to practise at home

The key is 'little and often'! Practising a little every day will help your child memorise and recall facts.

Make learning fun by incorporating flashcards, games, songs and challenges.

Online resources



Year 5 - Autumn 2

Can I recall doubles and halves of all 2-digit numbers up to 50?

For this KIRF, children should be able mentally double 2-digit numbers up to 50 and halve 2-digit even numbers up to 100.

Examples

$12 \times 2 = 24$

$28 \times 2 = 56$

$\frac{1}{2} \text{ of } 36 = 18$

$\frac{1}{2} \text{ of } 28 = 14$

$33 \times 2 = 66$

$36 \times 2 = 72$

$\frac{1}{2} \text{ of } 44 = 22$

$\frac{1}{2} \text{ of } 52 = 26$

$45 \times 2 = 90$

$19 \times 2 = 38$

$\frac{1}{2} \text{ of } 70 = 35$

$\frac{1}{2} \text{ of } 60 = 30$

How to practise at home

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Online resources



Year 5 - Spring 1

Can I recall the factor pairs of a given number?

For this KIRF, children should be able to recognise factors up to 12 which pair together to make a given product.

Examples

27 3 and 9

49 7 and 7

18 3 and 6 2 and 9

30 3 and 10 5 and 6

24 2 and 12 3 and 8 4 and 6

How to practise at home

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Online resources

 MathNook

ALL FACTOR MATH GAMES

Year 5 - Spring 2

Can I recall equivalent percentages, decimals and fractions for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, tenths and hundredths?

For this KIRF, children should be able to convert between percentages, decimals and fractions mentally.

Examples

$\frac{1}{2} = 0.5 = 50\%$

$\frac{2}{10} = 0.2 = 20\%$

$\frac{49}{100} = 0.49 = 49\%$

$\frac{1}{4} = 0.25 = 25\%$

$\frac{6}{10} = 0.6 = 60\%$

$\frac{16}{100} = 0.16 = 16\%$

$\frac{3}{4} = 0.75 = 75\%$

$\frac{9}{10} = 0.9 = 90\%$

$\frac{7}{100} = 0.07 = 7\%$

How to practise at home

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Online resources



Matching Fractions, Decimals and Percentages

Year 5 - Summer 1

Can I recall all decimal bonds to 1 and 10 (1 decimal place)?

For this KIRF, children should be able to recognise decimals with one decimal place which add together to make 1 and 10.

Examples

$0.1 + 0.9 = 1$

$0.2 + 0.8 = 1$

$0.3 + 0.7 = 1$

$0.4 + 0.6 = 1$

$0.5 + 0.5 = 1$

$3.5 + 6.5 = 10$

$1.8 + 8.2 = 10$

$7.1 + 2.9 = 10$

$6.6 + 3.4 = 10$

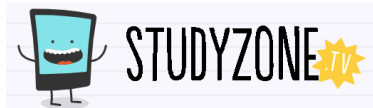
$9.3 + 0.7 = 10$

How to practise at home

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Online resources



Year 5 - Summer 2

Can I recall all metric conversions?

For this KIRF, children should be able to mentally convert between metric units of length, mass, volume and time.

Examples

$3\text{km} = 3,000\text{m}$

$6\text{m} = 600\text{cm}$

$7\text{cm} = 70\text{mm}$

$9\text{l} = 9,000\text{ml}$

$4\text{kg} = 4,000\text{g}$

$2\text{ hours} = 120\text{ minutes}$

$5\text{ minutes} = 600\text{ seconds}$

How to practise at home

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Online resources



Converting between metric units