

Maths Workout - Number

| Topic 17 - Fractions 1 | | | | |
|--|---|---|---|---|
| Target 1 | Target 2 | Target 3 | Target 4 | Target 5 |
| <i>Identify the fraction of a shape which is coloured; simplest form not required</i> <i>Colour the given fraction of a shape</i> | <i>Complete equivalent fractions</i> <i>Compare the value of fractions</i> <i>Identify equivalent fractions</i> | <i>Reduce a fraction to its simplest form</i> | <i>Convert between a mixed number and an improper fraction</i> | <i>Calculate fractional part of a value</i> |
| 1. Identify the fraction of a shape that is coloured ($1/2:x/4:x/3:x/5$) | 1. Complete a list of equivalent fractions ($1/2:1/3$) by entering the numerator or denominator | 1. Reduce a fraction to its simplest form; a/b : $b < 15$; common factor < 6 | 1. Convert an improper fraction to a mixed number: a/b : $b < 6$: $a < 3xb$ | 1. Calculate a unitary fraction of a value: $1/b$ of c : $b < 5$: $c < 10$ |
| 2. Identify the fraction of a shape that is coloured ($x/4:x/6:x/5:x/6$) | 2. Complete a list of equivalent fractions ($1/4:2/3$) by entering the numerator or denominator | 2. Reduce a fraction to its simplest form; a/b : $b < 25$; common factor < 6 | 2. Convert an improper fraction to a mixed number: a/b : $b < 7$: $a < 5xb$ | 2. Calculate a unitary fraction of a value: $1/b$ of c : $b < 6$: $c < 19$ |
| 3. Identify the fraction of a shape that is coloured ($x/6:x/7:x/9:x/9$) | 3. Complete a list of equivalent fractions (a/b : $a < 10$: $b < 11$: $a < b$) by entering the numerator or denominator | 3. Reduce a fraction to its simplest form; a/b : $b < 41$; common factor < 10 | 3. Convert an improper fraction to a mixed number: a/b : $b < 13$: $a < 10xb$ | 3. Calculate a unitary fraction of a value: $1/b$ of c : $b < 13$: $c < 201$ |
| 4. Identify the fraction of a shape that is coloured ($x/9:x/8:x/16:x/12$): optional motion for fun | 4. Speed response: Identify fractions that have a value = $1/2, 1/3$ or $1/4$ | 4. Reduce a fraction to its simplest form; a/b : $b < 200$; common factor < 13 | 4. Convert a mixed number to an improper fraction: $M+a/b$: $b < 6$: $M < 3$ | 4. Calculate a fraction of a value: a/b of c : $b < 6$: $c < 21$ |
| 5. Identify the fraction of a shape that is coloured ($x/10:x/12:x/16:x/32$): optional motion for fun | 5. Speed response: Identify fractions that have a value $< 1/2, 1/3$ or $1/4$ | 5. Memory game: Identify a fraction and its simplest form: a/b : $b < 9$ | 5. Convert a mixed number to an improper fraction: $M+a/b$: $b < 7$: $M < 5$ | 5. Calculate a fraction of a value: a/b of c : $b < 8$: $c < 31$ |
| 6. Colour the given fraction of a shape ($x/4:1/2:x/3:x/5$) | 6. Speed response: Identify fractions that have a value $> (1/2, 1/3$ or $1/4)$ | 6. Memory game: Identify a fraction and its simplest form: a/b : $b < 13$ | 6. Convert a mixed number to an improper fraction: $M+a/b$: $b < 13$: $M < 10$ | 6. Calculate a fraction of a value: a/b of c : $b < 11$: $c < 71$ |
| 7. Colour the given fraction of a shape ($x/4:x/6:x/5:x/6$) | 7. Speed response: Identify a fraction equivalent to a given unitary fraction | 7. Speed response: Match fractions with their simplest form; unitary fractions | 7. Memory game: Identify an improper fraction and equivalent mixed number: $M+a/b$: $b < 6$: $M < 3$ | |
| 8. Colour the given fraction of a shape ($x/6:x/7:x/9:x/9$) | 8. Speed response: Identify a fraction equivalent to a given fraction | 8. Speed response: Match fractions with their simplest form; simple fractions | 8. Memory game: Identify an improper fraction and equivalent mixed number: $M+a/b$: $b < 10$: $M < 5$ | |
| 9. Colour the given fraction of a shape ($x/9:x/8:x/16:x/12$): optional motion for fun | 9. Memory game: Identify two equivalent fractions | | | |
| 10. Colour the given fraction of a shape ($x/8:x/12:x/16:x/32$): optional motion for fun | | | | |