

A WHOLE LOT OF FUN WITH FRACTIONS!



605 have been learning about fractions by looking at their shooting accuracy.

We learnt about fractions of a collection.

If you add the amount of shots we made to the amount of shots we missed, it would equal the total shots that were attempted (the WHOLE amount of shots).

We also learnt about calculating decimals and percentages from these fractions.

Thanks Mr Simon (our student teacher) for making fractions fun!



Basketball Throws

Stand at the masking tape line in front of the basket.

Work with a partner and help each other count. First you shoot #1 (5 shots) and your partner counts, then your partner shoots #1 (5 shots) and you count. Then repeat for #2 (10 shots) and #3 (20 shots)

Throw the ball into the basket the number of times required. Then complete the fractions and percents below:

1. Try 5 shots.

| Count the shots: | Fraction of shots: | Simplified fraction: | Decimal: | Percent: |
|------------------|--------------------|----------------------|----------|----------|
| Shots made: 2 | $\frac{2}{5}$ | $\frac{2}{5}$ | 0.4 | 40% |
| Shots missed: 3 | $\frac{3}{5}$ | $\frac{3}{5}$ | 0.6 | 60% |



3. Try 20 shots.

| Count the shots: | Fraction of shots: | Simplified fraction: | Decimal: | Percent: |
|------------------|--------------------|----------------------|----------|----------|
| Shots made: | $\frac{18}{20}$ | $\frac{9}{10}$ | 0.9 | 90% |
| Shots missed: | $\frac{2}{20}$ | $\frac{1}{10}$ | 0.1 | 10% |
| Total shots: 20 | $\frac{20}{20}$ | $\frac{20}{20}$ | 1.0 | 100% |

