

## FRACTIONS, DECIMALS AND PERCENTAGES

Name:

Assessment Criteria: Use the equivalence of fractions, decimals and percentage to compare proportions

1. Decide whether the following triples are fully equivalent or not. If you think they are not equivalent, put a ring around the odd-one-out.

$$\frac{1}{10}$$

0.1

10%

Equivalent  Not equivalent

$$\frac{1}{5}$$

0.15

15%

Equivalent  Not equivalent

$$\frac{1}{3}$$

0.3

30%

Equivalent  Not equivalent

$$\frac{2}{5}$$

0.4

40%

Equivalent  Not equivalent

2. Match up the fractions to their correct percentages:

$$\frac{2}{5}$$

25%

$$\frac{1}{25}$$

40%

$$\frac{1}{4}$$

4%

3. Write  $\frac{4}{15}$  as a percentage

\_\_\_\_\_ %

4. Find a fraction that is between  $\frac{1}{3}$  and  $\frac{1}{4}$

\_\_\_\_\_

5. How would you find out which of these is closest to  $\frac{1}{4}$ :  $\frac{10}{42}$ ;  $\frac{20}{82}$ ;  $\frac{30}{122}$ ;  $\frac{40}{162}$ ?

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6. Write these fractions in order of size from smallest to largest:

$$\frac{5}{33} \quad \frac{7}{22} \quad \frac{9}{44} \quad \frac{13}{55}$$

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Overall, I think my success level is:

|         |         |
|---------|---------|
| Low     | High    |
| ○ ○ ○ ○ | ○ ○ ○ ○ |

| Q | FRACTIONS, DECIMALS AND PERCENTAGES                                      | ☺ | ☹ |
|---|--|---|---|
|   | I can recognise fractions, decimals and percentages that are the same    |   |   |
|   | I can convert between simple fractions, decimals and percentages         |   |   |
|   | I can use a calculator to convert fractions into decimals or percentages |   |   |
|   | I can compare proportions using these skills                             |   |   |
|   | <i>I can use logical argument to establish the truth of a statement</i>  |   |   |

I need to practise ...