

2 Match the equivalent fractions, decimals and percentages.

$$\frac{15}{100}$$

$$0.05$$

$$5\%$$

$$\frac{1}{20}$$

$$0.5$$

$$15\%$$

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

$$0.2$$

$$50\%$$

$$\frac{1}{2}$$

$$0.15$$

$$20\%$$

1) Use <, > or = to complete the statements.

a)  $\frac{2}{3}$    $60\%$

b)  $0.55$    $\frac{1}{2}$

c)  $8\%$    $0.08$

2) Complete the table:

|            |                  |     |    |                  |                  |      |      |                 |               |     |
|------------|------------------|-----|----|------------------|------------------|------|------|-----------------|---------------|-----|
| Percentage | 57%              | 38% | 6% |                  |                  |      |      |                 |               |     |
| Fraction   | $\frac{57}{100}$ |     |    | $\frac{23}{100}$ | $\frac{42}{100}$ |      |      | $\frac{7}{100}$ | $\frac{3}{4}$ |     |
| Decimal    | 0.57             |     |    |                  |                  | 0.32 | 0.03 |                 |               | 0.4 |

Amir was asked to complete the statement using  $<$ ,  $>$  or  $=$ .

14%  $>$  0.4



14 is greater than 4

What mistake has Amir made?

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An ice cream stall offers vanilla, chocolate or strawberry ice cream. Out of all of the customers who ordered one scoop, 18% chose vanilla,  $\frac{24}{50}$  chose chocolate and the rest chose strawberry.

**Write the amount who chose strawberry as:**

- a) a fraction
- b) a decimal
- c) a percentage

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4) Ali says, " $\frac{9}{24}$  of the shape is shaded."

Ibrahim says, "34% of the shape is shaded."

Hassan says, "0.375 of the shape is shaded."



Who do you agree with? Explain your reasoning.

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5) Use the number cards to create fractions that are equivalent to the percentages or decimals below. You can use a number card more than once.



a)  $0.\underline{\quad} = \frac{\quad}{\quad} = \underline{34} \%$

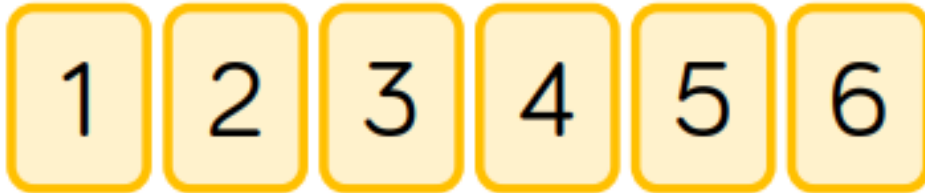
b)  $0.\underline{\quad} = \frac{5}{8} = \underline{\quad} \%$

c)  $\underline{0.08} = \frac{\quad}{\quad} = \underline{\quad} \%$

d)  $0.\underline{\quad} = \frac{21}{25} = \underline{\quad} \%$

## Final Challenge-

How many different fractions can you make using the digit cards?



How many of the fractions can you convert into decimals and percentages?