

Reasoning - Comparing fractions, decimals and percentages.

Would you rather questions!

In your book and on your table you have some 'Would you rather...' questions. To find the answer you will need to work out each part of the question and compare your answers to find out what you would prefer.

Example

Would you rather be stung by:

- a) $\frac{2}{3}$ of 120 wasps
- b) $\frac{3}{5}$ of 150 wasps

Are we looking for a higher or lower quantity of wasps?

The questions increase in difficulty so if you find the first ones too easy move towards the last questions!

1

Would you rather...

- a) Have $\frac{1}{4}$ of £16
- b) Have $\frac{1}{10}$ of £100

1

Would you rather...

- a) Have to complete $\frac{1}{2}$ of 24 pieces of homework.
- b) Have to complete $\frac{1}{3}$ of 27 pieces of homework

1

Would you rather...

- a) Be given $\frac{1}{4}$ of 12 chocolate bars
- b) Be given $\frac{1}{5}$ of 10 chocolate bars

1

Would you rather...

- a) Be bitten by $\frac{1}{3}$ of 150 mosquitos?
- b) Be bitten by $\frac{1}{2}$ of 140 mosquitos?

1

Would you rather...

- a) Be stung by $\frac{1}{2}$ of 250 wasps
- b) Be stung by $\frac{1}{3}$ of 300 wasps

1

Would you rather...

- a) Eat $\frac{1}{4}$ of 64 sweets
- b) Eat $\frac{3}{4}$ of 28 sweets

1

Would you rather...

- a) Wash $\frac{1}{2}$ of 90 dirty plates
- b) Wash $\frac{1}{4}$ of 120 dirty plates

1

Would you rather...

- a) Eat $\frac{1}{4}$ of 40 pizzas
- b) Eat $\frac{1}{3}$ of 36 pizzas

1

Would you rather...

- a) eat $\frac{1}{5}$ of 60 spiders
- b) eat $\frac{1}{4}$ of 80 spiders

2

Would you rather:

- a) Sit in a traffic jam for $\frac{3}{4}$ of 2 hours
- b) Sit in a traffic jam for $\frac{1}{3}$ of six hours

2

Would you rather...

- a) eat $\frac{3}{10}$ of 120 donuts
- b) eat $\frac{4}{5}$ of 70 donuts

2

Would you rather...

- a) get $\frac{1}{3}$ off a £120 phone
- b) get $\frac{1}{5}$ off a £140 phone

2

Would you rather...

- a) eat $\frac{1}{4}$ of a 160cm long pizza
- b) eat $\frac{1}{5}$ of 200cm long pizza

2

Would you rather...

- a) have $\frac{1}{5}$ of £80
- b) have $\frac{1}{4}$ of £68

2

Would you rather...

- a) eat $\frac{9}{10}$ of a 20cm diameter pizza
- b) eat $\frac{7}{10}$ of a 30cm diameter pizza

2

Would you rather...

a) be chased by $\frac{3}{10}$ of 600 snakes

b) be chased by $\frac{4}{5}$ of 200 snakes

2

Would you rather...

a) be given $\frac{3}{4}$ of a box of 300 xbox games

b) be given $\frac{3}{5}$ of a box of 400 xbox games

3

Would you rather...

a) receive $\frac{5}{6}$ of £120

b) receive $\frac{3}{4}$ of £160

3

Would you rather...

a) have to do $\frac{2}{7}$ of 28 pieces of homework

b) have to do $\frac{3}{5}$ of 25 pieces of homework

3

Would you rather...

- a) eat 25% of a 250cm chocolate bar
- b) eat 40% of a 180cm chocolate bar

3

Would you rather...

- a) be bitten by 60% of 370 mosquitos
- b) be bitten by $\frac{2}{3}$ of 360 mosquitos

3

Would you rather...

- a) be attacked by 80% of 150 wasps
- b) be attacked by 65% of 200 wasps

3

Would you rather...

- a) eat $\frac{6}{7}$ of 140 sweets
- b) eat $\frac{5}{8}$ of 160 sweets

3

Would you rather...

- a) wash 90% of 430 dirty plates
- b) wash 8/10 of 520 dirty plates

3

Would you rather...

- a) eat 30% of a 90m pizza
- b) eat 2/5 of a 140m pizza

3

Would you rather...

- a) be chased by 55% of 380 snakes
- b) be chased by 80% of 310 snakes