



Where should we start?

This is **not a test you can fail**. It is a way to find out which things you already know and which ones we should practise next. Some questions will be easy and some will be hard — that is on purpose. If you do not know one, leave it blank and move on.

Part 1. Adding and subtracting fractions

1. $\frac{2}{9} - \frac{1}{10}$

2. $\frac{1}{2} + \frac{2}{3}$

3. $\frac{3}{12} + \frac{3}{6}$

4. $\frac{2}{5} + \frac{1}{2}$

Part 2. Multiplying and dividing fractions

1. $\frac{4}{12} \cdot \frac{3}{10}$

2. $\frac{4}{10} \cdot \frac{4}{6}$

3. $\frac{4}{9} \cdot \frac{4}{8}$

4. $\frac{7}{12} \cdot \frac{4}{9}$

Part 3. Positive and negative numbers

1. $(8)(-6)$

2. $10 - (-10)$

3. $4 - (-9)$

4. $(-5)(3)$





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Part 4. Percents

1. What is 85% of 280?

2. What is 65% of 500?

3. What is 10% of 60?

4. What is 25% of 20?

Part 5. Proportions

1. $\frac{10}{5} = \frac{x}{35}$

2. $\frac{4}{12} = \frac{x}{36}$

3. $\frac{12}{11} = \frac{x}{22}$

4. $\frac{8}{4} = \frac{x}{28}$

