

Finding fractions 1

Practise

- 1) $\frac{5}{8}$ of 360
- 2) $\frac{3}{4}$ of 192
- 3) $\frac{4}{5}$ of 240
- 4) $\frac{3}{5}$ of 600
- 5) $\frac{3}{4}$ of 260
- 6) $\frac{2}{5}$ of 760

Fluency

- 1) 49 is $\frac{7}{8}$ of what number?
- 2) 200 is $\frac{5}{6}$ of what number?
- 3) 160 is $\frac{4}{5}$ of what number?
- 4) 301 is $\frac{7}{8}$ of what number?
- 5) 140 is $\frac{4}{6}$ of what number?
- 6) 60 is $\frac{3}{4}$ of what number?

Reasoning

- 1) Sara says that $\frac{2}{5}$ of 120 is 46. Is she right? Explain why.
- 2) Dave says that it is possible to find $\frac{3}{5}$ of 423. Is he right? Explain why.
- 3) The school kitchen needs to buy potatoes for lunch. A large bag has 300 potatoes and a medium bag has $\frac{3}{5}$ of a large bag. The school cook says "I need 200 potatoes so I will have to buy a large bag." Is she right? Explain your reasoning.
- 4) True or false? To find $\frac{3}{8}$ of a number divide by 3 and multiply by 8. Convince me.

Finding fractions 2

Practise

- 1) $\frac{4}{5}$ of 240
- 2) $\frac{3}{5}$ of 600
- 3) $\frac{3}{4}$ of 260
- 4) $\frac{2}{5}$ of 760

Fluency

- 1) 160 is $\frac{4}{5}$ of what number?
- 2) 301 is $\frac{7}{8}$ of what number?
- 3) 140 is $\frac{4}{6}$ of what number?
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Reasoning

- 1) Sara says that $\frac{2}{5}$ of 120 is 46. Is she right? Explain why.
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Problem solving

- 1) At a dance there are 4 girls to every 3 boys. There are 63 children altogether. How many girls are there?
- 2) Ralph posts 40 letters, some of which are first class, and some of which are second class. He posts four times as many second class letters as first. How many of each class of letter does he post?
- 3) Sam bakes a variety of biscuits. $\frac{1}{3}$ are peanut, $\frac{1}{2}$ are raisin and the remaining 12 were oat. How many biscuits are baked?
- 4) If the answer to the question is 40, how many fraction questions can you think of that give the answer 40.
e.g. $\frac{2}{5}$ of 100 = 40