

## Problem Solving With Fractions

Try to solve the following problems. First think about what skill you need to use. Do you need to find a factor multiple? Do you need to add or subtract two or more fractions? Perhaps you need to simplify a fraction or find a fraction of a whole number? Are you dealing with an improper fraction? Do you have to compare fractions or are you dealing with fractions with unlike denominators? Once you have worked out what you need to do, you should find each question quite straightforward.

1. A class has 30 children.  $\frac{2}{3}$  remember their homework. How many children is this?

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2. Bert packs eggs in boxes. He puts 6 eggs into each box. How many eggs will there be when he has packed 7 boxes?

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3. Gurpreet has 40 flowers which she must plant in rows. Each row must have the same number of flowers. How many different ways could she plant the flowers?

1 row of 40 flowers or \_\_\_\_\_

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4. Mike and John carry bricks to the building site. Mike carries 3 at a time and John carries 7 but Mike makes faster trips. Sometimes they discover they have carried exactly the same number of bricks. When is the first time this will happen – how many bricks will each have carried?

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5. A factory makes blue, red and yellow cars.  $\frac{1}{4}$  of the cars is blue.  $\frac{3}{5}$  of the cars are red. What fraction of the cars is yellow?

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6. In a building  $\frac{5}{12}$  of people wear ties and  $\frac{1}{12}$  wear jackets. What fraction of people wears neither a tie nor a jacket?

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7. In a restaurant  $\frac{5}{16}$  of people order burgers.  $\frac{3}{8}$  of people order hotdogs. Which sells more – burgers or hotdogs?

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