Forming fractions

Write a fraction for a shaded diagram or a real-world "part out of whole" description.

Name _____ **Date** _____

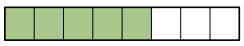
Part out of whole

A fraction is written as $\frac{\text{numerator}}{\text{denominator}}$: the numerator is the number of parts you have, and the denominator is the total number of equal parts in the whole. You do not need to simplify – just write the count you have out of the total.

Worked example A ribbon is cut into 10 equal pieces. 4 pieces are used. Form the fraction used.

4 pieces used out of 10 equal pieces.
Fraction used $= \frac{4}{10}$.

1. Write the shaded fraction.



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2. Write the shaded fraction.

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3. A cake is cut into 12 equal slices. You eat 5. What fraction did you eat?

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4. What fraction is shaded (out of 100)?

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5. A bag has 15 sweets. 6 are red. What fraction are red?

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6. A class of 28 students has 16 boys. What fraction are boys?

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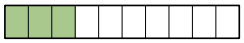
7. Write shaded, then unshaded.



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8. Write shaded, then unshaded.

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9. A fridge has 20 eggs. 14 are used. Form the fraction used, then remaining.

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Forming fractions (continued)

Write a fraction for a shaded diagram or a real-world “part out of whole” description.

Name _____ **Date** _____

10. What fraction is shaded (out of 100)?

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11. A survey of 50 people found 32 like pizza. Form the fraction who like pizza.

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12. A car park has 80 spaces. 55 are full. Form the fraction of spaces empty.

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13. Write shaded, then unshaded.

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14. A recipe uses 4 eggs from a carton of 6. Form the fraction used, then remaining.

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15. Explain what the numerator and denominator each mean, using an example.

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16. A school has 450 students: 240 are girls, the rest are boys. Form the fraction who are boys.

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17. A jar has 60 marbles: 25 red, 20 blue, 15 green. Form the fraction that is NOT red.

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18. A charity sold 126 raffle tickets from a batch of 300. Form the fraction sold.

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