



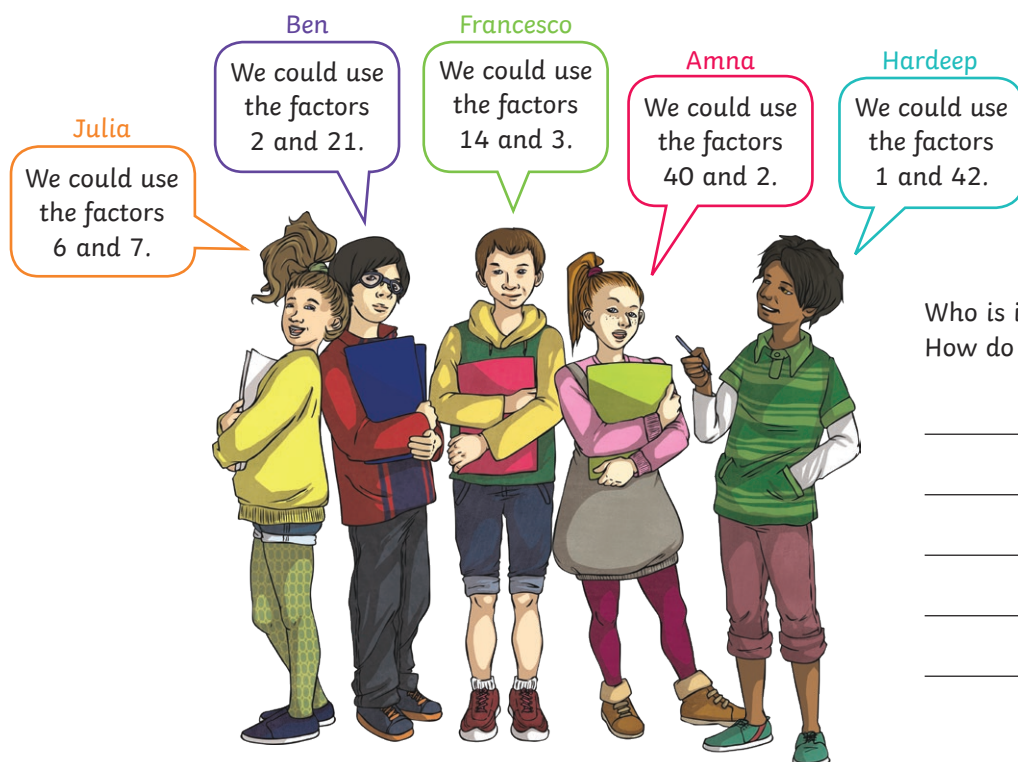
1) Use factor pairs to help you fill in the empty boxes.

- a) $960 \div 30 = 960 \div 10 \div 3$ $960 \div 30 =$
- b) $240 \div 60 = 240 \div$ $\div 6$ $240 \div 60 =$
- c) $90 \div 6 = 90 \div 3 \div$ $90 \div 6 =$
- d) $375 \div 15 = 375 \div 5 \div$ $375 \div 15 =$
- e) $288 \div 18 = 288 \div 9 \div$ $288 \div 18 =$

2) Use factors to help you calculate the following:

- a) $512 \div 16 =$
- b) $336 \div 12 =$
- c) $945 \div 21 =$
- d) $1350 \div 45 =$

1) A class of children are asked to solve this calculation: $1848 \div 42$



Who is incorrect?
How do you know?

Explain why one method would not be efficient even though it would give the correct answer.

Calculate the answer using your chosen factor pairs.

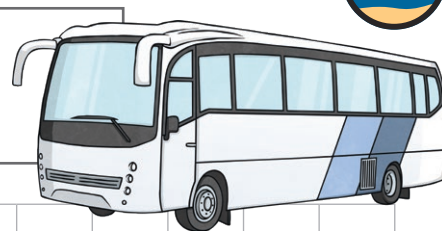
2) Dividing using factor pairs always works.

Do you agree? Explain your answer.

- 1)** Use factors to help you solve this problem. Can you calculate the answer using two different methods?



Children and staff from Twinkl Academy are going on a trip to the theatre. There are 1680 passengers in total. They are travelling by coach. Each coach holds 48 passengers. How many coaches will be needed?



- 2)** Look at this calculation and the clues.

$$432 \div A = B$$

A has the factors C and 9.

C is a multiple of 2.

C is not 10.

$$C < 14$$

- a)** List all the possible values of C.

- b)** List all the possible values of A.

- c)** Using the factor pairs, calculate all the possible values of B.