



Work out

$$1\frac{6}{7} \times \frac{2}{5} = \frac{13}{7} \times \frac{2}{5} = \frac{26}{35}$$

Jaymin spins a fair spinner 10 times.  
Here are his results.

9 4 5 3 1 5 8 5 3 2

What is the relative frequency of a 5?

$$\frac{3}{10}$$

Simplify

$$\frac{48x^7y^3}{8x^2y} = 6x^5y^2$$

Four chairs and two tables cost £218  
Six chairs and seven tables cost £587

Find the total cost of buying twenty  
chairs and five tables.

$$(20 \times 22) + (5 \times 65) = \pounds 765$$

$$4c + 2t = 218 \quad \times 7$$

$$6c + 7t = 587 \quad \times 2$$

$$28c + 14t = 1526$$

$$12c + 14t = 1174 \quad \text{sub}$$

$$16c = 352$$

$$c = 22 \quad t = 65$$

Gerard and Shane were both given a  
pay rise.

Gerard was given a 25% pay rise and  
Shane a 5% pay rise.

The ratio of Gerard's salary to Shane's  
salary is now 12:7

Shane is now paid £21000

Work out Gerard's pay before the pay  
rise.

$$21000 \div 7 = 3000$$

$$3000 \times 12 = 36000$$

$$1.25 \times y = 36000$$

$$y = 36000 \div 1.25 = \pounds 28800$$