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| **Ratio and Proportion** |
| If black and white counters are in the ratio $3 :5$, what fraction of the counters are black? | Dogs and cats are in the ratio $4 :3$. If there are $24$ dogs, how many cats are there? | Rob, Sue and Tia share $£60$ in the ratio $5 :3 :4$. How much does each person get? | Five pencils costs $£3.90$. How much does it cost for $12 $pencils? |
| Find the total number of parts:$$3+5=8$$Fraction of black counters $=\frac{3}{8}$ | Dogs : Cats$$×6$$$$×6$$$$4 :3$$$$24 : \\_\\_\\_\\_$$$3×6=18$ **cats** | Find the total number of parts:$$5+3+4=12$$Find how much 1 part is worth:$$£60÷12=£5$$Multiply each share by $£5$:**Rob** $£25$**, Sue** $£15$**, Tia** $£20$ | Find the cost of 1 pencil in pence: $\frac{390}{5}=78p$Find the cost of 12 pencils:$$78p×12=936p$$$$£9.36$$ |
| If roses and lilies are in the ratio $7 :2$, what fraction of the flowers are lilies? | Boys and girls are in the ratio $4 :5$. If there are $16$ boys, how many girls are there? | Delia and Eduardo share $£56$ in the ratio $4 :3$. How much does each person get? | Six chocolate bars costs $£2.88$. How much does it cost for $13 $chocolate bars? |
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| If cows and sheep are in the ratio $4 :7$, what fraction of the animals are cows? | Cars and vans are in the ratio $6 :1$. If there are $25$ vans, how many cars are there? | Ali, Bill and Cerys share $£80$ in the ratio $3 :2 :5$. How much does each person get? | $18$ rulers costs $£6.30$. How much does it cost for seven rulers? |
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| If red and yellow sweets are in the ratio $8 :5$, what fraction of the sweets are yellow? | Dolls and teddies are in the ratio $7 :9$. If there are $21$ dolls, how many teddies are there? | Fatima, Gill and Hari share $£90$ in the ratio $8 :5 :7$. How much does each person get? | Three t-shirts costs $£41.25$. How much does it cost for five t-shirts? |
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