Life Changing Tuition
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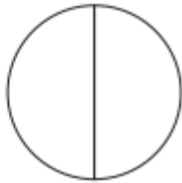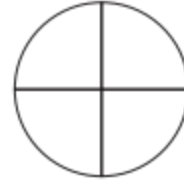
Shade in 50% of these shapes   Shade in 25% of these shapes   Shade in 75% of these shapes

1) 50% of 16 =

2) 25% of 28 =

3) 75% of 4 =

4) 50% of 52 =

5) 75% of 16 =

6) 40% of 25 =

7) 75% of 12 =

8) 20% of 70 =

9) 25% of 48 =

10) 95% of 300 =

16) 10% of 30 =

17) 50% of 36 =

18) 70% of 50 =

19) 80% of 30 =

20) 5% of 40 =

21) 60% of 50 =

22) 100% of 87 =

23) 200% of 61 =

24) 45% of 60 =

25) 15% of 60 =

Change the following percentages into fractions.

$50\% =$ $70\% =$ $28\% =$

$20\% =$ $5\% =$ $35\% =$

$1\% =$ $80\% =$ $90\% =$

Change the following fractions into percentages.

$\dfrac{1}{4} =$ $\dfrac{2}{25} =$ $\dfrac{4}{25} =$

$\dfrac{1}{10} =$ $\dfrac{17}{20} =$ $\dfrac{49}{50} =$

$\dfrac{3}{4} =$ $\dfrac{3}{10} =$ $\dfrac{24}{25} =$

Change the following percentages into decimals.

$25\% =$ $10\% =$ $75\% =$

$50\% =$ $20\% =$ $150\% =$

Change the following decimals into percentages.

$0.03 =$ $0.35 =$ $0.72 =$

$0.05 =$ $0.42 =$ $1.09 =$

Percentage Increase

	Original Amount	% increase	New Amount
1)	56	25%	
2)	6	50%	
3)	5	20%	
4)	8	75%	14
5)	10	90%	
6)	30	70%	
7)	50	2%	
8)	21	100%	

Percentage Decrease

	Original Amount	% decrease	New Amount
1)	50	30%	
2)	18	50%	
3)	25	4%	
4)	60	35%	
5)	40	15%	
6)	64	75%	16
7)	40	45%	
8)	45	60%	

Reverse Percentage

Jacob answered 80% of the questions in a test correctly.

He answered 32 of the questions correctly.

Work out the total number of questions in the test.

1. I have 8 bags of sweets. My brother eats 50% of them. How many do I have left?

2. 1 large pizza costs £10. If I buy 3 of them I get 30% off the total bill. How much should I pay?

3. A carpenter needs to cut a plank of wood that is 300cm long into 5 equal pieces. What percentage of the plank is each piece?

4. Mr. Usher is 190cm tall and his sister Sarah is 10% shorter. How tall is Sarah?

5. The weather forecaster says that it is 20° C in London but only 80% as hot in New York. How hot is it in New York?