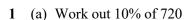


Percentage of an Amount

REVISE THIS TOPIC





(b) Work out 50% of 120

60

(c) Work out 1% of 800

8

(1)

(d) Work out 25% of 44

11

(e) Work out 10% of 35

$$35 \div 10$$

3.5

(f) Work out 50% of 11

(1)

5.5

(Total for Question 1 is 6 marks)



1

(a) Work out 20% of 300



(b) Work out 5% of 260

$$\frac{10^{\circ}}{5^{\circ}} = \frac{16}{13}$$

(c) Work out 1% of 40

(d) Work out 40% of 60

(e) Work out 15% of 180

(f) Work out 70% of 4100

(Total for Question 2 is 10 marks) (2)

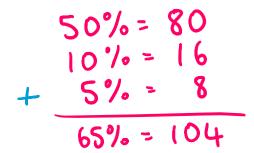


Work out 35% of 480



(Total for Question 3 is 3 marks)

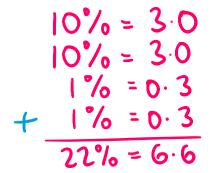
Work out 65% of 160





(Total for Question 4 is 3 marks)

Work out 22% of 30





6.6

(Total for Question 5 is 3 marks)

Work out 95% of 6000





(Total for Question 6 is 3 marks)

Work out 0.5% of 280



$$\pm 2$$
 $\frac{1^{\circ}/_{0}}{0.5^{\circ}/_{0}} = \frac{2.8}{1.4}$ $\frac{1}{1.2}$

(Total for Question 7 is 2 marks)

Work out 120% of 400



(Total for Question 8 is 3 marks)

Which is greater



10% of 95 **or** 15% of 64?

You must show all your working.



(Total for Question 9 is 4 marks)

10 (a) Work out 13% of 740 [calculator allowed]

740 x 0.13

(b) Work out 9% of 550

96.2

....

550 x 0.09

(c) Work out 63% of 808

49.5

(2)

808 x 0.63

(d) Work out 87% of 14700

509.04

(2)

14700 × 0.87

12789

(2)

(e) Work out 126% of 310

310 x 1.26

390.6

(2)

(f) Work out 9.5% of 6010

6010 x 0.095

570.95

(2)

(g) Work out 13.5% of 1180

1180 x 0.135

159.3

(Total for Question 10 is 14 marks)



5

11 A bag contains 300 pencils.

20% of the pencils are red. 12% of the pencils are blue.



Work out how many more red pencils there are than blue pencils.

$$10\% = 30$$
 $10\% = 30$
 $10\% = 30$
 $1\% = 3$
 $1\% = 3$
 $1\% = 3$
 $12\% = 36$

(Total for Question 11 is 4 marks)

12 Stan receives £140 for his birthday. He spends 35% of the money and saves the rest.



Work out how much money Stan saves.

(Total for Question 12 is 3 marks)

13 Erica spends 2 hours revising. She spends 40% of this time revising for maths.



Work out how many minutes Erica spends revising for maths.

$$2 \times 60 = 120 \text{ minutes}$$

 $(0\% = 12 \text{ mins}) \times 4$
 $(40\% = 48 \text{ mins}) \times 4$



(Total for Question 13 is 3 marks)



14 A car's fuel tank can hold a total of 60 litres of fuel. Steve adds fuel to the fuel tank so that it is 80% full.



Each day Steve uses 15 litres of fuel to travel to work and back. Will Steve have enough fuel to travel to work and back for the next 3 days? You must show your working.

Yes

(Total for Question 14 is 4 marks)

15 Zara wins £5000

She keeps 70% for herself and shares the remainder equally between her two siblings.



Work out how much money each of Zara's siblings receives.

750

(Total for Question 15 is 4 marks)

16 A theatre has 900 seats.

Tickets for a show are sold for £3 each.

One night the theatre sells enough tickets to fill 95% of their seats.

Work out how much money the theatre makes from ticket sales.

$$\frac{10\% = 90}{5\% = 45} = \frac{100\% = 900}{5\% = 45} = \frac{855}{2565}$$



2565

(Total for Question 16 is 4 marks)

17 There are 850 students at a school.

On Monday the attendance was 94% On Tuesday the attendance was 92%

Work out how many more students attended school on Monday than on Tuesday.

(Total for Question 17 is 3 marks)

18 A bag of flour weighs 2 kg. A baker uses 18% of the bag for a recipe.

Work out how much flour is left in the bag. Give your answer in **grams**.

$$2 \times 1000 = 2000g$$

1640

grams

(Total for Question 18 is 4 marks)

19 A rectangular wall measures 5 metres by 3 metres. 70% of the wall is going to be painted.

Work out the area of the wall that will be painted.

$$5 \times 3 = 15 \text{ m}^2$$

 $15 \times 0.7 = 10.5$



(0.5

..... m²

(Total for Question 19 is 3 marks)