

11 Plus Maths Practice Paper 2

This 11 Plus Practice paper is designed to help gifted and talented children between the ages of 9 and 11. It will help parents to find areas where their children need extra tuition. It can be used with the free tuition lessons and worksheets found on the website. Each question tells you the tuition lesson and worksheets that will help your children. This is not a timed paper.

Q1. Calculate the answer.

$$5923 + 385 = 6308$$

(Lesson High Level Adding)

Q2. Calculate the answer.

$$2483 - 589 = 1894$$

(Lesson High Level Subtraction)

Q3. Calculate the answer.

$$288 \div 8 = 36$$

(Lesson Division)

Q4. Calculate the answer.

$$3 \frac{1}{3} - 1 \frac{5}{6} = 1 \frac{3}{6} \text{ or } 1 \frac{1}{2}$$

(Lesson Subtracting Mixed Numbers)

Q5. Fill in the gap in this sum to make it work.

$$1 \frac{1}{3}$$

$$8 \times \underline{1 \frac{1}{3}} = 10 \frac{2}{3}$$

(Lesson Multiplying and Dividing Mixed Numbers)

Q6. Calculate.

$$4^2 \times 6 = 96$$

(Lesson BODMAS)

Q7. Calculate.

$$3^3 \times 7 = 189$$

(Lesson BODMAS)

Q8. A rectangle has a width of 60mm. Its area is 42cm^2 .

What is its length? 7 cm

(Lesson Area of Rectangles)

Q9. In a stationary shop pencils come in packs of four, six or eight.

- A) Four pencils cost £1.
- B) Six pencils cost £2.
- C) Eight pencils cost £2.40.

Which deal is the cheapest if you want 24 pencils? A)

(Lesson Dividing with an Decimal Answer)

Q10. $A+B+C= 50$

A is double B and B is three times C.

What is the value of A? 30

(Lesson Algebraic Problems)

11. The total flying time from London to Sydney via Abu Dhabi is 20 hours. The flight from London to Abu Dhabi is 35% of the flying time. The flight takes off from London at 1:30pm.

If Abu Dhabi is 4 hours ahead of London time, what is the local time the plane arrives in Abu Dhabi?

12:30am

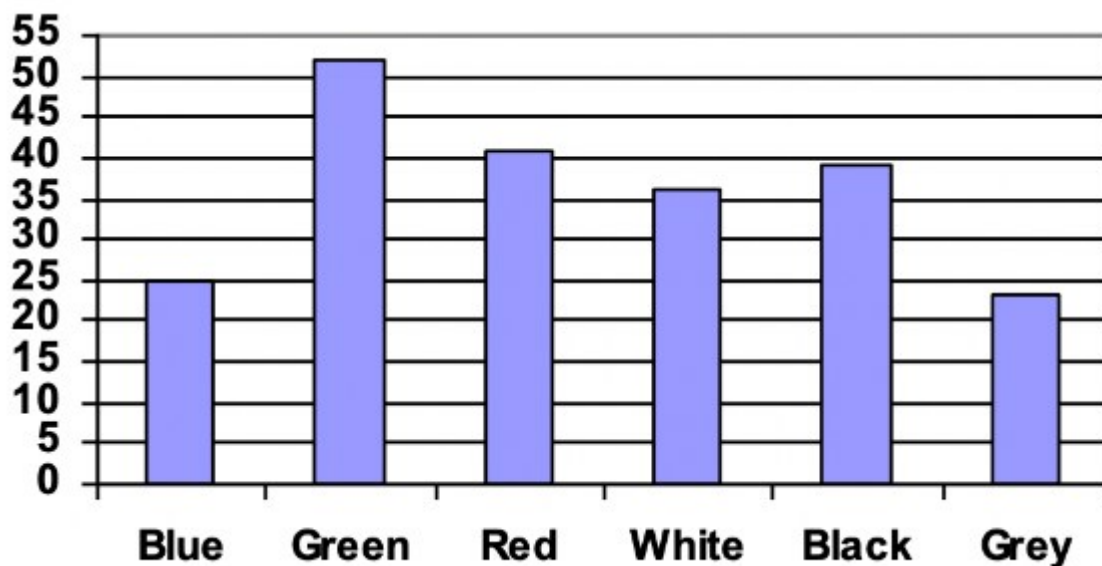
(Lesson Percentages of an Amount and Time Zones)

12. Look at the question above. The time in Sydney is 11 hours ahead of London. If the plane stops in Abu Dhabi for 2 hours then takes off for Sydney what local time does the plane arrive in Sydney?

8:30pm

(Lesson Time Zones)

13. Jim White sells cars. Here is a bar chart showing the colour of the cars he sold over five years.

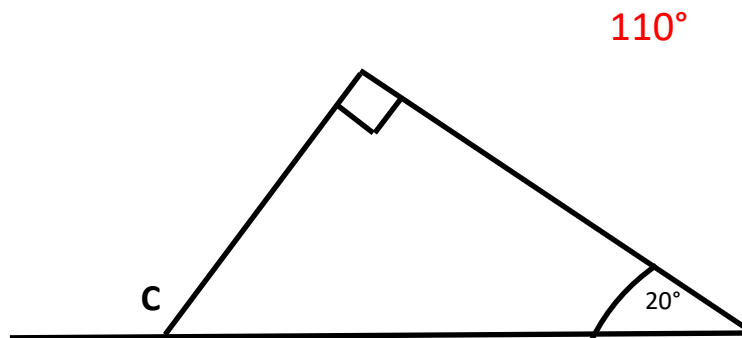


How many cars did he sell that were not Green or Red?

128

(Lesson Bar Charts)

14. How many degrees is angle C?



(Lesson Angles on a Straight Line and Angles in a Triangle)

15. Three teachers have the average weight of 75kg. When another two teachers join them the average weight goes up to 80kg. What is the average weight of the two teachers that joined them?

87.5kg

(Lesson Mean Average)

16. Two children have a average weight of 48kg. One child weighs twice as much as the other child. How much does the lighter one weigh?

32kg

(Lesson Algebra Problems and Mean Average)

17. Ben said - when I add two square numbers I always get another square number. Is Ben correct or incorrect?

incorrect

(Lesson Square Numbers)

18. Sarah said - when I multiply an odd number by 11 I always get an odd number. Is Sarah correct or incorrect?

correct

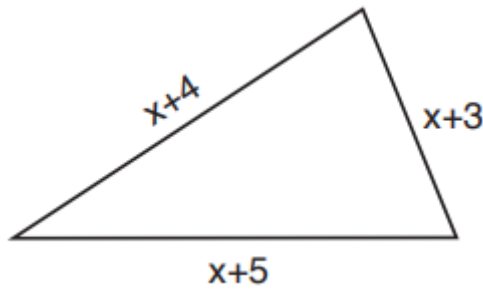
(Lesson Odd and Even Numbers)

19. Anika said - when I take the average of two prime numbers I can never make another prime number. Is Anika correct or incorrect?

incorrect

(Lesson Prime Numbers)

20. The perimeter of the triangle below is 42.



What is the value of x ? $x = 10$

(Lesson Algebra in Shapes)

21. Calculate.

$$4.2 - 0.83 = 3.37$$

(Lesson Subtracting Decimals)

22. Calculate.

$$15.6 \div 1.2 = 13$$

(Lesson Dividing Decimals)

23. Find 15% of 670.

100.5

(Lesson Finding a Percentage of an Amount)

24. Look at the equation .

$$xy + 3x - 2y = 18$$

What is the answer if $x = 4$ and $y = 3$?

(Lesson Solving Equations)

25. Some people do some Christmas shopping.

Person one buys

A bike and a TV and a pair of trainers.

$$\text{Bike} + \text{TV} + \text{trainers} = \text{£}600$$

Person two buys

Two bikes a TV and a pair of trainers.

$$2 \text{ bikes} + \text{TV} + \text{trainers} = \text{£}800$$

Person three buys

Three bikes and a pair of trainers.

$$3 \text{ bikes} + \text{trainers} = \text{£}700$$

How much do three items cost?

$$\text{Trainers} = \text{£}100$$

$$\text{Bike} = \text{£}200$$

$$\text{TV} = \text{£}300$$

(Lesson Simultaneous Equations)

End of test