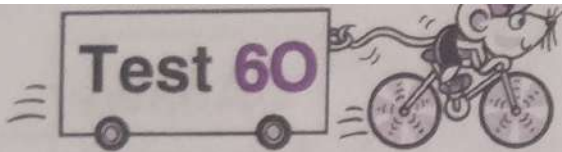## Test 59

1. Which two rectangular numbers are also square numbers: {15, 18, 36, 45, 64}?
2. Write in order, starting with the **least**: −5, 0, 4, −11.
3. Eighteen children in a school wear glasses. 90% do not. How many children attend the school?
4. How much for 120 lettuces at €5 per hundred?
5. Pauric has 114 chestnuts. If he keeps 50 for himself and shares the rest equally among his 4 friends, how many does each friend get?
6. How much would it cost to carpet a room 6m long and 4m wide at €10 per square metre?
7. What change will I get from €3 if I buy 8 copies at 26 cent each?
8. Which is the odd one out: 5%, 0·05, $\frac{1}{20}$, $\frac{1}{2}$?
9. The Highest Common Factor of 12, 16 and 20 is 4. What is the HCF of 24, 32 and 40?
10. How many 25kg bags of potatoes can I fill from 1 tonne? (Remember: 1,000 kilograms = 1 tonne.)
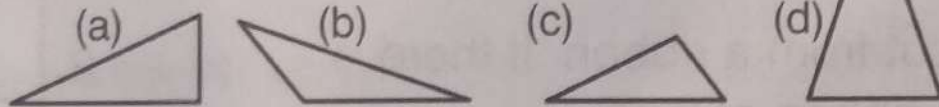
Answer

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Score

Test 60

1. Which is an isosceles triangle?

(a)   (b)   (c)   (d)

2. What is the HCF of 36, 60 and 72?

3. In a sale, prices are reduced by 10%. What will I pay for a shirt which was €9 before the sale started?

4. A clock loses 10 seconds every hour. How many minutes does it lose in a day?

5. $2\frac{1}{2}$ metres of cable cost €5. How much is this per metre?

6. How many 27 cent copies could I buy with €3?

7. How many kilograms in 3·1 tonnes?

8. On a map, a line 10cm long represents a real distance of 80km. What distance is represented by a line 1cm long?

9. A tank which holds central heating oil is $\frac{7}{8}$ empty. If there are still 125 litres left in the tank, what does it hold when full?

10. How much would it cost to carpet a room 5m by 3m at €8 per square metre?
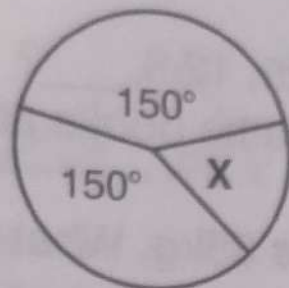
Answer

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Score

Test 61

1. What is the size of angle **X**?

2. If a €20 toy is reduced by 20% in a sale, what is the new price?
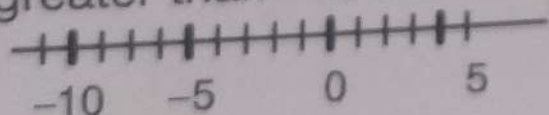
   $150°$ $150°$ **X**

3. $€\frac{1}{5} + €\frac{1}{10} + €\frac{1}{20} = \square$

4. How many days are there from November 25th to December 7th (include both days)?

5. A bus travels at an average speed of 72 km/h. How far will it travel in $1\frac{1}{4}$ hours?

6. A prime number is a number which has no factors except itself and 1. The number 13 is a prime number. Name another.

7. On a map, a 10cm line represents a real distance of 1km. What distance is represented by a line 1cm long?

8. How many 50kg bags of coal will make 1 tonne?

9. There are 500 litres still left in an oil tank. How much oil will be needed to refill the tank if it has a capacity of 1·4kl? (Note: 1,000 litres = 1 kilolitre.)

10. Write two whole numbers greater than −10 but less than −5.

    −10 −5 0 5

Answer

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Score

Test 62

1. Put in order of size, **smallest** first: $\frac{1}{10}$, 11%, $\frac{9}{1000}$.

2. | 00:02 | Write this 24-hour clock time in a.m. time or p.m. time.

3. Which number is a prime number: 21, 22, 23, 24 or 25?

4. If there is a 5% service charge in a restaurant, what must a person pay altogether for a meal which cost €40?

5. What five coins make €2?

6. The monthly rainfall figures for February, March and April were 10·8cm, 10cm and 8·9cm. What was the average monthly rainfall?

7. Each 400g of beef takes 12 minutes to cook in a microwave oven. What length of time will it take to cook a beef roast which weighs 1·2kg?

8. What fraction of this circle is the shaded sector?

9. $\frac{10}{0·5} = \square$

10. How many thousand dollar bills would make up $1 million: 100, 1,000 or 10,000?
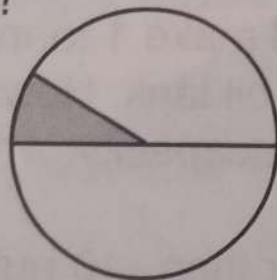
Answer

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Score

35

Test 63

1. What is the next term: 1250, 125, 12·5, ___?
2. 5% of a group of 40 left their maths books at home. How many didn't?
3. The average weight of 4 boys is 35kg. What is the sum of their weights?
4. How much would it cost to carpet a room 4m by 3m at €9 per square metre?
5. $1 \div 0.25 = \square$ ($\frac{1}{25}$, 4, or 25)
6. What is the 10th odd number?
7. A television set can be purchased for €299 cash or a deposit of €50 and 12 monthly payments of €25. How much do I save by paying cash?
8. How many thousands in a million?
9. What fraction of the circle is the shaded sector: $\frac{1}{10}$, $\frac{1}{12}$ or $\frac{1}{15}$?
10. A distance of 8km is represented on a map by a line 8cm long. The scale is 1cm to $\square$km.

Answer

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Score