

1

Amelia is practising her piano scales.

She can play each scale in 45 seconds.

If she starts practising at 3:30 pm, at what time will she have played 40 scales?

- A 4:00 pm B 4:15 pm C 4:30 pm D 4:45 pm

1

2

Amir is thinking of a shape.

It has two pairs of equal sides.

One pair of parallel sides is longer than the other pair.

It has four right angles.

What shape is Amir thinking of?

- A Square B Rhombus C Rectangle D Parallelogram

1

3

A local bakery is having a sale on all their baked goods.

The owner, Mr. Smith, has decided to reduce the price of every item by 20%.

Which of the following formulas should be used to calculate the sale prices (S) from the original prices (P)?

- A $S = P - (P \div 5)$ B $S = P - 20$ C $S = P - 0.2$ D $S = P \div 20$

1

4

Amelia is organising a school trip to the zoo.

There are 144 students going on the trip, and each coach can hold 24 students.

How many coaches will Amelia need to book for the trip?

- A 6 B 12 C 24 D 144

1

5

Which of the following shapes has a different number of lines of symmetry to the number of sides?

- A Regular hexagon B Rectangle C Regular pentagon D Regular heptagon

1

6

A rectangular fish tank has a length of 80 cm, a width of 40 cm, and a height of 50 cm.

What is the volume of the fish tank in litres?

- A 160,000 litres B 16,000 litres C 1,600 litres D 160 litres

1

7

Amelia is measuring the length of a piece of ribbon for her craft project.

The ribbon measures 650 millimetres.

What is the length of the ribbon in centimetres?

- A 0.65 cm B 6.5 cm C 65 cm D 650 cm

1

8

Samantha's train journey from London to Manchester took 2 hours and 40 minutes.

If she arrived in Manchester at 1:25 pm, what time did her train depart from London?

- A 10:45 am B 11:45 am C 10:20 am D 11:05 am

1

9

Tom is making a fruit salad for a party. He has 2.5 kg of apples, 1,750 grams of grapes, and 1.2 kg of oranges.

What is the total weight of the fruit he has for the salad?

- A 5.45 kg B 4.37 kg C 3.95 kg D 6.25 kg

1

10

A local cinema charges a £15 entry fee per person.

There is then an additional charge of 75p for each bag of popcorn purchased.

Which of the following expressions represents the total cost, in pounds, for a group of p people who each buy b bags of popcorn?

- A $15p + 0.75pb$ B $15p + 0.75b$ C $15p + 75b$ D $1500 + 0.75pb$

1

