

SECTION 3 | Test 9

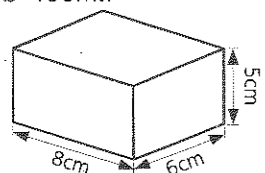
Schofield & Sims

A Answer

- $5.305 = 5 + \frac{305}{1000}$ _____ $\frac{305}{1000}$
- 10% of sixteen thousand = _____ 1600
- 4.375kg = $\frac{4375}{1000}$ g _____ 4375g
- $\pounds 2 - (27p + 65p) = \pounds$ _____ $\pounds 1.08$
- 2l 450ml - 0.5l = $\frac{1950}{1000}$ ml _____ 1950ml
- $0.4 + \frac{7}{100} = 0.476$ _____ 0.476
- $\pounds 1.76 \times 5 =$ _____ $\pounds 8.80$
- $0.75\text{km} = \frac{750}{1000} \text{m} + 325\text{m}$ _____ 425m
- $\frac{x}{100} = 13.07$ Find x. _____ $\frac{1307}{100}$
- $38\text{min} + 2\text{h} + 47\text{min} =$ $\frac{3}{1}$ h $\frac{25}{1}$ min _____ 3h 25min
- a 10% of $\pounds 20.40 =$ _____ a $\pounds 2.04$
b $2\frac{1}{2}\%$ of $\pounds 20.40 =$ _____ b $\pounds 0.51$
- $\frac{1}{6}$ of 45cm = $\frac{75}{1}$ mm _____ 75mm

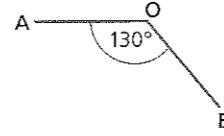
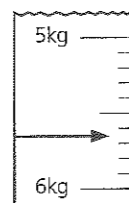
B Answer

- Which of these numbers are factors of 75?
5 6 3 7 9 _____ 3 _____ 5
- Find the mean of 3, 1.4, 2 and 2.6. _____ 2.25
- Write a $\frac{47}{8}$ as a mixed number _____ a $5\frac{7}{8}$
b $5\frac{5}{6}$ as an improper fraction. _____ b $\frac{35}{6}$
- What is the cost of 400g at $\pounds 1.50$ per $\frac{1}{2}$ kg? _____ $\pounds 1.20$
- By how many is 450×1000 less than $\frac{1}{2}$ million? _____ 50 000
- By how many degrees does the temperature fall from 8°C to -5°C ? _____ 13°C
- 25% of Max's money is $\pounds 35$. Find the whole amount. _____ $\pounds 140$
- Approximate to the nearest whole number.
a 79.63 _____ a 80
b 12.475 _____ b 12
- By how many millimetres is 95.4cm less than 1m? _____ 46mm
- Find the least number of pennies which must be added to 92p to make the amount exactly divisible by 6. _____ 4
- What percentage of 2l is
a 400ml _____ a 20%
b 100ml? _____ b 5%



Find the volume of the box in cm^3 . _____ 240 cm^3

C Answer

- By how many thousandths is 1.057 less than 2? _____ 943 thousandths
-  By how many degrees is the reflex angle at O greater than the obtuse angle at O? _____ 100°
- Ellie spends $\frac{1}{2}$ of her money on bus fares and $\frac{5}{12}$ on sweets. What fraction of her money is left? _____ $\frac{1}{12}$
- A cyclist travelled at 24 km/h for $\frac{1}{4}$ hour. How far did she travel? _____ 6km
-  Read as accurately as possible the mass shown by the pointer. Write the answer in grams. _____ 5650g
- The population of Town A is a quarter of a million. The population of Town B is fifty thousand less than Town A. What is the population of Town B? _____ 200 000
- How much change is there out of $\pounds 15$ after spending $\pounds 9.50$ and $\pounds 3.20$? _____ $\pounds 2.30$
- Write these decimals in ascending order.
5.03 0.35 0.5 3.05 3.5 _____ 0.35 0.5 3.05 3.5 5.03
- A bus runs at intervals of 25 min. What are the times of the next two buses after 08:15? _____ 08:40 09:05
- Buy today for $\pounds 60$ or pay 10% weekly for 12 weeks By how much is it cheaper to pay today? _____ $\pounds 12$
- A rectangular path is 9m long and 80cm wide. Find its area in m^2 . _____ 7.2m^2
- Ravi is given $\pounds 85$ as birthday gifts. He spends 30% and saves the remainder.
a What percentage does he save? _____ a 70%
b How much money does he spend? _____ b $\pounds 25.50$


SECTION 3 | Test 10

Mental Arithmetic 4 Answers

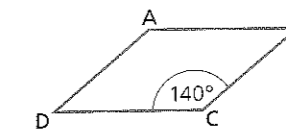
A Answer

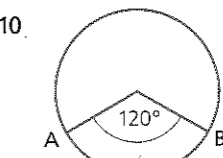
- Write in digits six hundred and two thousand five hundred and eight. _____ 602 508
- $\pounds 0.27 \times 40 =$ _____ $\pounds 10.80$
- $\frac{2}{3}$ of 960 = _____ 640
- a 1% of $\pounds 17 =$ $\frac{17}{100}$ p _____ a 17p
b 7% of $\pounds 17 = \pounds$ _____ b $\pounds 1.19$
- 10.06 = $\frac{10060}{1000}$ thousandths _____ 10 060 thousandths
- $\pounds 2.30 =$ three 50ps + two 20ps + 10ps _____ 4 10ps
- $3\frac{3}{4} \times 4 =$ _____ 15
- $180^\circ - (72^\circ + 36^\circ) =$ _____ 72°
- $300\text{g} + 450\text{g} + 350\text{g} =$ $\frac{1100}{1000}$ kg _____ 1.1kg
- $2\text{h } 15\text{min} - 50\text{min} =$ $\frac{1}{1}$ h $\frac{25}{1}$ min _____ 1h 25min
- $27\text{cm} \times 7 =$ $\frac{189}{100}$ m $\frac{89}{100}$ cm _____ 1m 89cm
- $\frac{\pounds 16.56}{8} =$ _____ $\pounds 2.07$

B Answer

- By how many is 0.3 million less than $\frac{1}{2}$ million? _____ 200 000
- What length in metres is 6 times 7m 30cm? _____ 43.8m
- How many times is $2\frac{1}{2}$ contained in 50? _____ 20
- Find the total of 17p, 53p, 24p and 7p. Write the answer in \pounds . _____ $\pounds 1.01$
- Write the 24-hour clock time which is 7h before 4.35 a.m. _____ 21:35
- What fraction in its simplest form is equal to
a 8% _____ a $\frac{2}{25}$
b 35%? _____ b $\frac{7}{20}$
- By what quantity is 920ml less than 1.2l? _____ 280ml
- Increase $\pounds 30.50$ by 10%. _____ $\pounds 33.55$
- If the distance from A to D is 14km, find the distance from B to C.
 _____ 7.05km
- Find the cost of 0.3m at $\pounds 4.80$ per metre. _____ $\pounds 1.44$
- The perimeter of a rectangle is 65cm. Its length is 24cm. Find its width. _____ 8.5cm
- 10 doughnuts cost $\pounds 2.09$. Find the cost of one to the nearest penny. _____ 21p

C Answer

- How many envelopes costing 3p each can be bought for $\pounds 2.40$? _____ 80
- ABCD is a parallelogram. Find in degrees
 a $\angle BAD$ _____ a 140°
b $\angle ABC$ _____ b 40°
- Share $\pounds 5$ between Henry and Amy so that Henry has 6p each time Amy has 4p. How much does each have?
Henry _____ $\pounds 3$
Amy _____ $\pounds 2$
- A man walked steadily at 4km/h from 11.00 a.m. to 2.30 p.m. How far did he walk? _____ 14km
- From the largest of these decimal fractions take the smallest.
0.33 0.3 0.03 0.333 _____ 0.303
- 1cm^3 or 1ml of water has a mass of 1g. A jar holds $3\frac{1}{2}$ l of water. Find
a the volume of water in cm^3 _____ a 3500 cm^3
b the mass of the water in kg. _____ b 3.5kg
- How much is saved by buying 15kg at 16p per kilogram, instead of the same mass at 9p per $\frac{1}{2}$ kg? _____ 30p
- | | Date of birth |
|--------|---------------|
| Riaz | 1.3.96 |
| Sophie | 1.10.94 |

 Find the age on 1 September 2010 in years and months of
a Riaz _____ a 14yr 6mth
b Sophie. _____ b 15yr 11mth
- The area of a hall is 60m^2 . Its length is 8m. Find
a its width _____ a 7.5m
b its perimeter. _____ b 31m
-  a What fraction of the circumference of the circle is the arc AB? _____ a $\frac{1}{3}$
b If the circumference measures 188.4cm, find in millimetres the length of the arc. _____ b 628mm
- Cheese costs $\pounds 2.60$ per $\frac{1}{2}$ kg. Find the mass in kilograms and grams of cheese which costs $\pounds 7.80$. _____ 1kg 500g
- Box A measures 8cm long, 9cm wide, 4cm high. Box B measures 10cm long, $5\frac{1}{2}$ cm wide, 6cm high. Find the difference in their volumes. _____ 42 cm^3