

SECTION 3 | Test 5

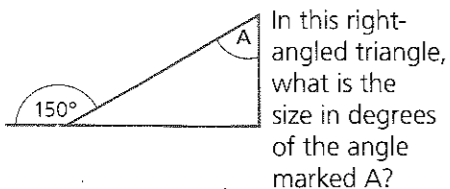
Schofield & Sims

A Answer

- $100 - 28 = 9 \times$ 8
- $250\,000 =$ million $\frac{1}{4}$ million
- $18p + 19p + 23p = \text{£}$ £0.60
- $1.2\text{m} - 75\text{cm} =$ cm 45cm
- $450\text{g} \times 6 =$ kg 2.7kg
- a 10% of 840 = a 84
b 30% of 840 = b 252
- $\text{£}3.70 \div 8 =$ p r p 46p r 2p
- 3min 50s = s 230s
- $1 - \frac{3}{4} - \frac{1}{8} =$ $\frac{1}{8}$
- $3.0 \times 0.8 =$ 2.4
- $3.050\text{l} +$ ml = 4l 950ml
- a 0.55 = % a 55%
b $\frac{1}{25} =$ % b 4%

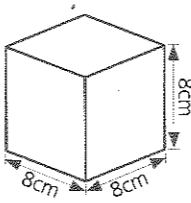
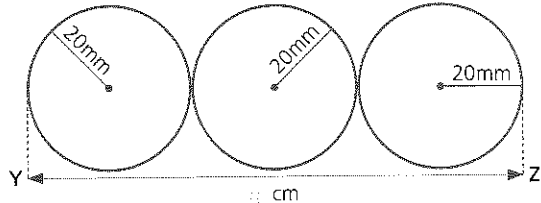
B Answer

- Which of these numbers are factors of 54?
4 5 6 7 8 9 6 9
- How many 5ps are there in £3.65? 73 5ps
- What is the average of 200ml, 250ml, 150ml and 120ml? 180ml
- Write each of these scores as a percentage.
a 5 out of 25 a 20%
b 16 out of 50 b 32%
- How many metres are there in 1.65km? 1650m
- Increase £50 by 25%. £62.50
- How many hours and minutes from 10.40 a.m. to 12.50 p.m.? 2h 10min
- $\frac{7}{10}$ of 5m = 350cm. Find $\frac{3}{10}$ of 5m. 150cm
- How many hundredths are there in three point zero four? 304 hundredths
- 200g cost 38p. Find the cost of $\frac{1}{2}$ kg. 95p
- $635 \div 7$. Write the answer to the nearest whole number. 91



In this right-angled triangle, what is the size in degrees of the angle marked A? 60°

C Answer

- Find the difference between the sum of 6 and 7 and the product of 6 and 7. 29
- Which of these fractions are equivalent to 30%?
 $\frac{3}{5}$ 0.03 $\frac{3}{10}$ $\frac{20}{50}$ 0.3 $\frac{3}{10}$ 0.3
- Caitlin has 25p and Billy has 41p. How much must Billy give to Caitlin so that they have equal amounts? 8p
- A jug when $\frac{3}{4}$ full holds 720ml. How many millilitres does it hold when it is
a $\frac{1}{8}$ full a 120ml
b $\frac{3}{8}$ full? b 360ml
- A train journey takes 1h 38min. If the train departs at 11:30 at what time does it arrive? 13:08
- Oliver faces SW. In which direction is he facing if he turns
a 90° clockwise a NW
b 45° anticlockwise? b S
- 
a Find the area of one face. a 64cm²
b Find the area of all the faces of the cube. b 384cm²
- A customer paid 84p for 300g of grapes. Find the price for $\frac{1}{2}$ kg. £1.40
- Which of the following numbers do not change in value if the zeros are omitted?
0.158 0350 0.590 1.506 0.158 0.590
- The perimeter of a rectangle is 54cm. Its length is 18cm. Find
a its width a 9cm
b its area. b 162cm²
- Find the smallest number which must be added to 403 to make it exactly divisible by 8. 5
- What is the distance in cm from Y to Z?
 12cm

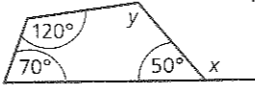
SECTION 3 | Test 6

Mental Arithmetic 4 Answers

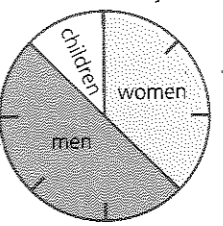
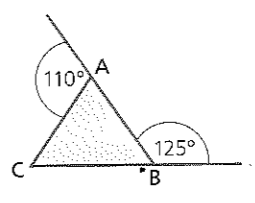
A Answer

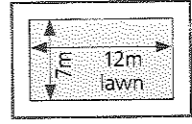
- Write as a decimal $10 + \frac{8}{100} + \frac{3}{1000}$. 10.083
- $3.125\text{l} =$ ml 3125ml
- $\frac{3}{10}$ of £1.80 = p 54p
- 10% of twenty thousand = 2000
- $38\text{mm} + 26\text{mm} + 40\text{mm} =$ cm 10.4cm
- $10^2 - 4^3 =$ 36
- $0.02 \times 5 =$ 0.1
- $\frac{1}{2}\text{kg} = 135\text{g} +$ g 365g
- $\frac{3}{4}\text{h} - \frac{2}{3}\text{h} =$ min 5min
- $47p \times 8 = \text{£}$ £3.76
- $0.25 +$ = 0.365 0.115
- $\$35 \div 4 =$ \\$8.75

B Answer

- How many hundreds are there in thirty thousand seven hundred? 307
- 100 pencils cost £5.92. Find the cost of 25 pencils. £1.48
- By how many degrees does the temperature rise from -10°C to 4°C ? 14°C
- Which of these numbers are multiples of both 6 and 8?
16 24 36 54 72 24 72
- Find the mean of $2\frac{1}{4}$, $1\frac{3}{4}$ and $3\frac{1}{2}$. $2\frac{1}{2}$
- By how many grams is 750g less than 1kg 150g? 400g
- Write 35 eighths as
a an improper fraction a $\frac{35}{8}$
b a mixed number. b $4\frac{3}{8}$
- 20% of a sum of money is 49p. Find 100% of the money. £2.45
- How many days are there in the seventh month of the year? 31
- Write as a fraction in its simplest form.
a 15 out of 40 a $\frac{3}{8}$
b 28 out of 32 b $\frac{7}{8}$
- Approximate 17.85l to the nearest $\frac{1}{2}$ l. 18l
-  Find in degrees.
 $\angle x$ 130°
 $\angle y$ 120°

C Answer

- The approximate population of a city is forty thousand more than $\frac{1}{2}$ million. What is the approximate population? 540 000
- Jessica collected 50p in her money box. She has seventeen 1ps, nine 2ps and some 5ps. How many 5ps has she? 3 5ps
- 480 men, women and children went to a concert. From the diagram find how many

a men a 240
b women b 180
c children were at the concert. c 60
- The perimeter of a regular octagon is 21.6cm. Find in millimetres
a the length of one side a 27mm
b the length of a side of a regular hexagon of the same perimeter. b 36mm
- The price of a ticket was increased from 50p to 60p. What is the increase
a as a fraction in its simplest form a $\frac{1}{5}$
b as a percentage of the original price? b 20%
- How many packets each containing 300g can be made from 2.5kg? How many grams are left? 8 r 100g
- Write using Roman numerals, the answer to $\text{LXIV} \times \text{IX}$. DLXXVI
- A room is $1\frac{1}{4}$ times as long as it is wide. If the width is 6m find the area of the room. 45m²
-  In the triangle ABC find
 $\angle ABC$ 55°
 $\angle BAC$ 70°
 $\angle ACB$ 55°
- Lemonade is made from 3 parts water and 2 parts lemon juice.
a What percentage of the mixture is water? a 60%
b Find the volume of lemon juice required to make 2l of lemonade. b 800ml
- | |
|-------------------------------|
| Science Museum |
| ADMISSION |
| £3.40 |
| half-price entry for children |

 What is the total admission price for two adults and two children? £10.20
-  The lawn measures 12m by 7m. The path around it is 1.5m wide. Find the area of the whole garden. 150m²