Mentals 3:30

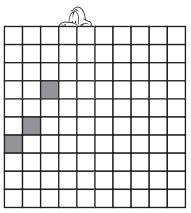
Canberra is the capital city of Australia.

1 18 − 9 = ☐ 17 − 8 = ☐

16 − 6 = ☐ 16 − 9 = ☐

2 3000 + 400 + 60 + 8 = ☐

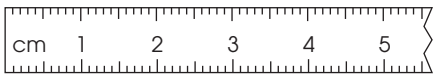
3



$\frac{\square}{100} = \frac{\square}{10} + \frac{\square}{100}$

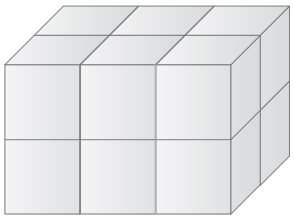
ones		tens	hundredths
0	.		

4 Match each measurement to its place on the tape measure.



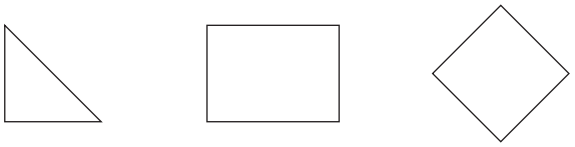
20 mm 3 cm 6 mm $4\frac{1}{2}$ cm

5 Each cube represents 1 cm^3.



Volume = ☐ cm^3

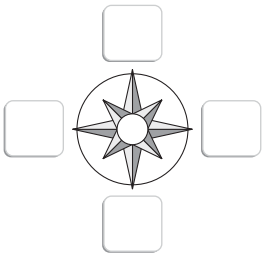
6 Show right angles (⌞) in each shape.



7

6 × 7 = ☐	8 × 4 = ☐	9 × 7 = ☐
☐) 30 (5	☐) 45 (9	☐) 42 (6

8 Put the compass points on this compass rose.



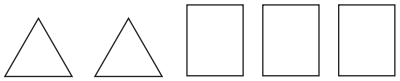
9 The sun rises in the ☐ and sets in the ☐ .

10 Use > or < to make each part true.

0·26 ☐ 0·43 0·07 ☐ 0·7

0·4 ☐ 0·32 0·65 ☐ 0·59

11 Draw the object made from these faces.



12 Draw an object with a volume of 5 cm^3.

Patterns

a 0·01, 0·03, 0·05, ☐, ☐, ☐

b 0·74, 0·73, 0·72, ☐, ☐, ☐

c 0·16, 0·26, 0·36, ☐, ☐, ☐

d 0·05, 0·1, 0·15, ☐, ☐, ☐

e $2\frac{1}{4}$, $2\frac{2}{4}$, $2\frac{3}{4}$, ☐, ☐

f $3\frac{2}{8}$, $3\frac{1}{8}$, 3, ☐, ☐

g $9\frac{1}{2}$, 9, $8\frac{1}{2}$, ☐, ☐

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N stands for ____. S stands for ____.
E stands for ____. W stands for ____.

13

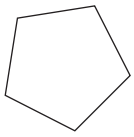
5 · 4	3 · 7	2 · 6
+ 2 · 8	+ 4 · 5	+ 3 · 8
____	____	____

14 Write each fraction as a decimal.

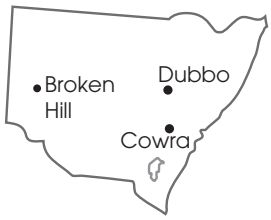
$\frac{75}{100}$ = 0· ____ , $\frac{33}{100}$ = 0· ____

$\frac{30}{100}$ = 0· ____ , $\frac{92}{100}$ = 0· ____

15 Draw the axes (lines) of symmetry on the regular pentagon.



16 What direction would you travel from:



Dubbo to Cowra? ____

Dubbo to Broken Hill? ____

Extension

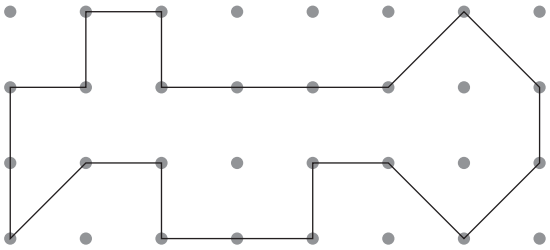
17 $13 \times 5 = 10 \times 5 +$ ____ + ____ + ____

$=$ ____

$12 \times 9 =$ ____ $\times$ ____ + ____ + ____

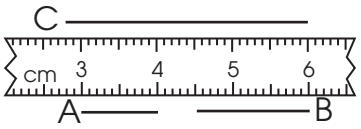
$=$ ____

18



Area = ____

19 Find the length of each line.



A: ____ mm B: ____ cm ____ mm

C: ____ cm ____ mm

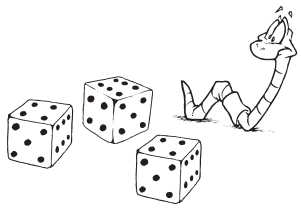
Fun and Games

worms are in Unit 30.

★ Roll 3 dice. Colour one square for the total of each roll. Tally the number of rolls needed until one column is filled.
Predict which column will be completed first, by ticking under that column.

Tally of rolls: ____ Total: ____

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18



Score = 14

Circle the two totals that you think are likely to be rolled most often.

Maths Builder Year 3
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