

## YEAR 5 NUMERACY

16 Shana buys the items shown.



She gives the shop owner \$30.

How much change should Shana get?

\$6

\$7

\$24

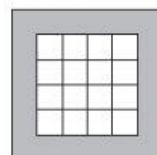
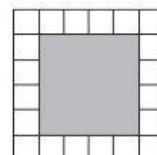
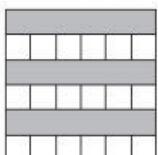
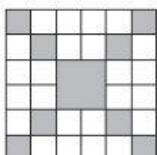
\$54

17

Max made these four pictures by painting some squares grey on these grids.

All the small squares in the grids are the same size.

Which of these grids has the largest area painted grey?



18

Rani is comparing the weights of four different objects using a balance scale.



Which object is the heaviest?



## YEAR 5 NUMERACY

19

Cilla has 35 twenty-cent coins in her purse.



How much money does she have altogether?

\$70

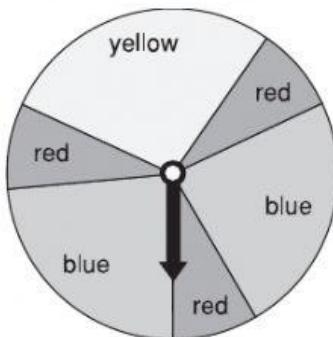
\$35.20

\$35

\$7

20

Matt spins the arrow on this spinner.



Which colour is the spinner most likely to land on?

red

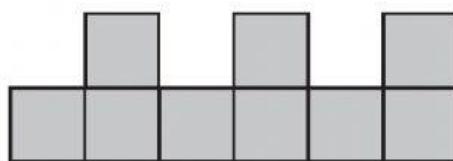
blue

yellow

all colours are equally likely

21

Each square in this shape has a side length of 1 centimetre.



What is the perimeter of the shape?

9 centimetres

16 centimetres

20 centimetres

36 centimetres

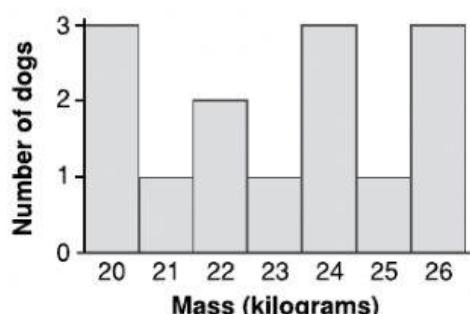
© ACARA 2016

## YEAR 5 NUMERACY

22

The dogs at a dog show were weighed.

All the weights were then recorded in a graph.



How many dogs were at the dog show?

3

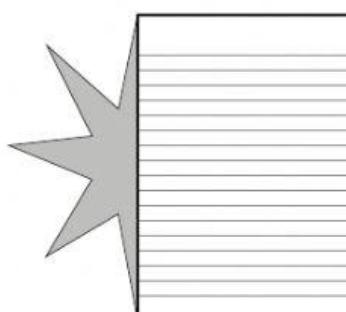
7

14

26

23

Holly placed a piece of paper along a line of symmetry on her star.



How many points does Holly's whole star have?

3

5

6

8

10

24

The first number in a pattern is 1.95.

Each number in the pattern is formed by subtracting 0.15 from the previous number.

What is the third number in this pattern?

1.5

1.65

1.8

2.25

## YEAR 5 NUMERACY

25

The athletics carnival started at 10:30 am and lasted for  $2\frac{1}{4}$  hours.

Rose went straight home after the carnival finished.

She took  $\frac{1}{2}$  an hour to get home.

What time did Rose get home?

12:45 pm

1:00 am

1:00 pm

1:15 am

1:15 pm

26

Ari thinks of a number.

He writes these clues so his friends can guess it.

- The number is less than 1000.
- The number has 90 tens.
- The digit in the ones place is the same as the digit in the hundreds place.

What is Ari's number?

90

99

900

909

27

Bill, Sue and Mark share a bag of apples.

Bill and Sue each get  $\frac{1}{6}$  of the apples in the bag.

What fraction of the bag of apples is left for Mark?

$\frac{4}{6}$

$\frac{3}{6}$

$\frac{2}{6}$

$\frac{1}{6}$

28

Hugo wants to find the missing number below.

$$? - 38 = 45$$

Which of these could Hugo use to find the missing number?

$45 + 38$

$45 - 38$

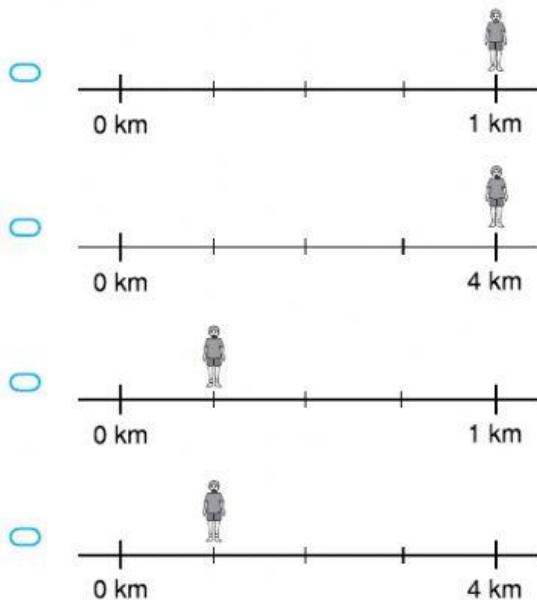
$38 - 45$

$38 \times 45$

## YEAR 5 NUMERACY

29 Arav went for a run and stopped after  $\frac{1}{4}$  kilometre.

Which of these shows Arav at the point where he stopped running?



30 William earns money each week for doing jobs.

For each job he earns \$2.

He records the number of jobs he does in one week in a table.

| Jobs                 | Number |
|----------------------|--------|
| Take out the rubbish |        |
| Walk the dog         |        |
| Wash dishes          |        |

If William does the same jobs for three weeks, how much money will he earn altogether?

\$13



\$26



\$39



\$78



## YEAR 5 NUMERACY

31

The table shows the fixtures for six football teams on Saturday.

| Start time | Teams               |
|------------|---------------------|
| 9:00       | Team A plays Team B |
| 10:00      | Team C plays Team D |
| 11:00      | Team E plays Team F |

If no match ends in a draw, which of the following is possible?

- Teams A and F both win.
- Teams C and D both lose.
- Teams A, D, E and F all win.
- Teams B and C are the only teams that lose.

32

Pippa had 35 stickers.

She gave an equal number of stickers to 8 friends.

She gave each friend as many stickers as possible and kept the rest for herself.

How many stickers did Pippa keep for herself?

3



4



11

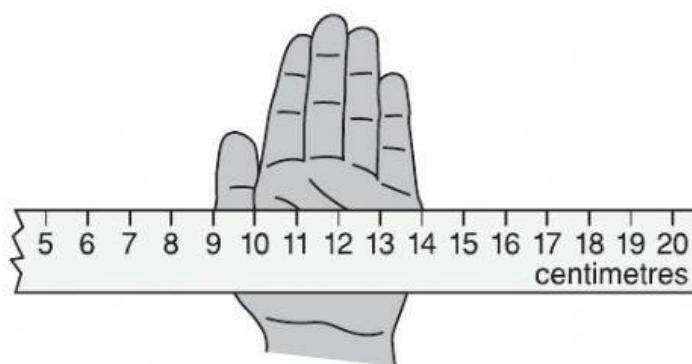


27



33

Anika is using this broken ruler to measure the width of her hand.



What is the width of Anika's hand?

5 centimetres



6 centimetres



9 centimetres



14 centimetres

